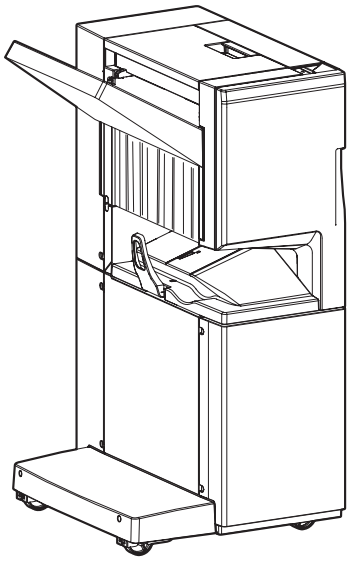
SHARP SERVICE MANUAL

CODE: 00ZMXFNX2/S1E



DIGITAL FULL COLOR MULTIFUNCTIONAL SYSTEM OPTION
SADDLE STITCH FINISHER
PUNCH MODULE
PAPER PASS UNIT

MX-FNX2
AR-PN1A/B/C/D

MODEL **MX-RBX1**

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Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

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The contents are subject to change without notice.

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■ **PARTS GUIDE**

[1] PRODUCT OUTLINE

1. Product outline

This unit is installed to the following machines to perform the after-process of output paper from a copier, or a fax machine. The output paper is passed to the saddle finisher by the interface unit (MX-RBX1). Each sheet is discharged one by one by the offset function.

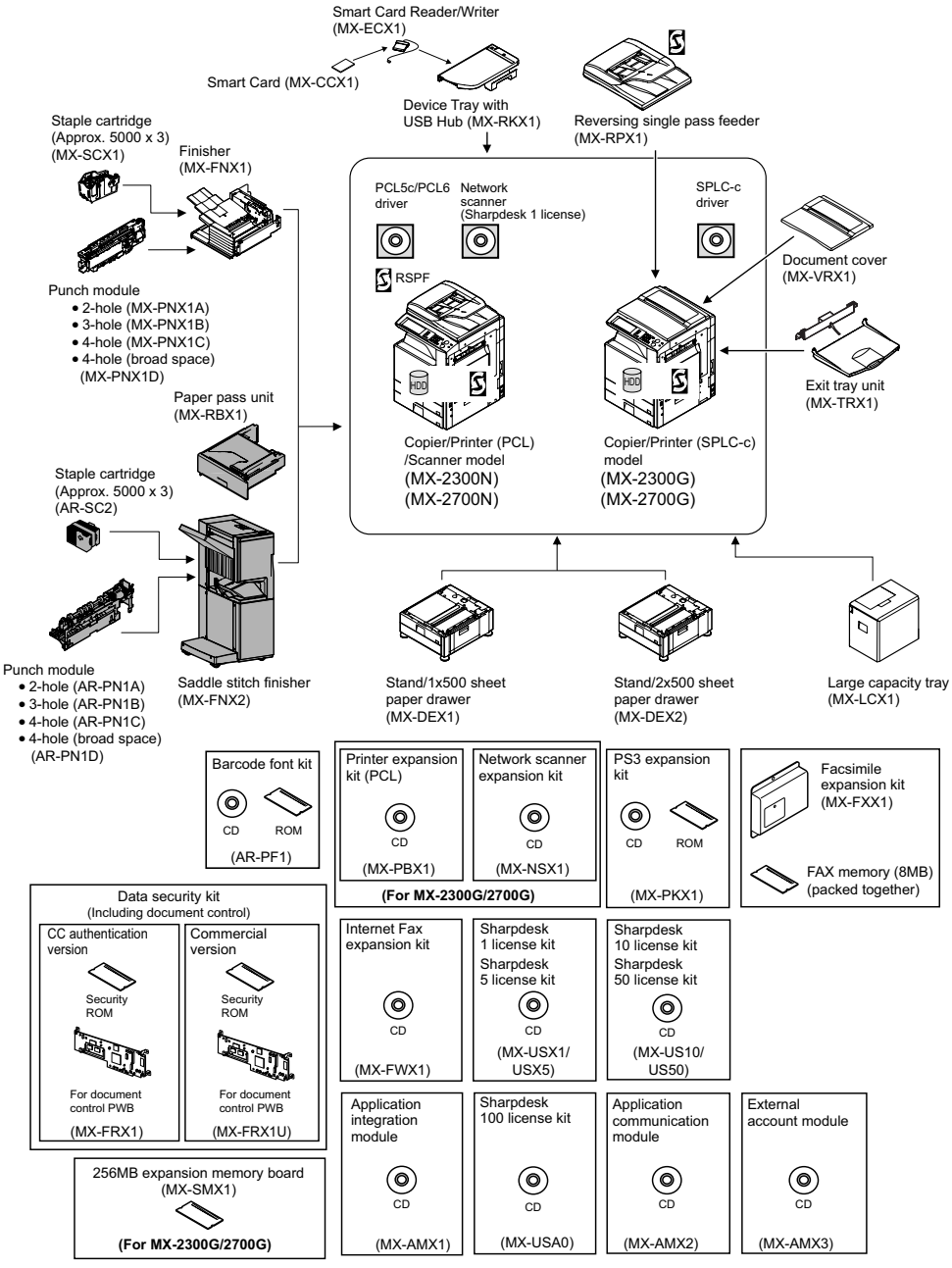
1) Employment of the through-type stapler: Employment of the through-type stapler allows to make saddle stitch by one stapler.
2) 3 kinds of auto staple functions:
   There are 3 staple positions available. (One position in the front, one position at the back, 2 positions at the center)
3) Saddle stitch function: Up to 10 sheets of paper can be stapled at the center and folded into two and discharged.
4) Punch function (Option):
   By installation of a puncher unit, paper can be punched to make holes for a binder. (Applicable for 64 – 128g/m^2. OHP films cannot be used.)

Applicable models	MX-2300N/2700N/2300G/2700G

The finisher requires staple cartridge as a consumable part. (Staple cartridge (About 5000 staples x 3) AR-SC2)

2. Configuration

1) When installing this unit, the paper feed desk (MX-DEX1/DEX2) and the interface unit (MX-RBX1) must be installed together.
2) This unit cannot be installed with the finisher (MX-FNX1) simultaneously.



[2] SPECIFICATIONS

1. MX-FNX2

A. Basic specifications

Type	Console type finisher
Loading method	Ascending offset tray
Transport speed	23/27/35/45 ppm
Transport reference	Center reference
Mode types	Non-staple, staple
Paper sizes allowed for offset	A3, B4, A4, A4R, B5, B5R, 8K, 16K, 11" x 17", 8.5" x 14", 8.5" x 13", 8.5" x 11", 8.5" x 11"R
Offset quantity	20mm, 0.8 inch
Tray type (Number of trays)	Upper tray: Lift-up/down offset tray
	Lower tray: Book tray for saddle stitch
Paper exit direction	Face down
Paper exit paper size	A3W, A3, B4, A4, A4R, B5, B5R, A5R, 16K, 16KR 12" x 18", 11" x 17", 8.5" x 14", 8.5" x 13", 8.5" x 11", 8.5" x 11"R, 5.5" x 8.5"R, 7.25" x 10.5"R
Power consumption	52W
Power source	Supplied from the host machine power (DC24V/DC5V)
External dimensions (W x D x H)	When the paper exit tray is on the storge position: 555 x 610 x 1010 (mm), 21 27/32 x 24 1/64 x 39 49/64 (inch) When the paper exit tray is on the pull-out position: 665 x 610 x 1050 (mm), 26 11/64 x 24 1/64 x 41 21/64 (inch)
Occupying dimensions (W x D)	When the tray is on pull-out position: 665 x 610 (mm), 21 27/32 x 24 1/64 (inch) * Distance from the main unit: 300mm, 11 13/16 inch
Weight	Approx. 46kg (101.4 lbs)
Installation/maintenance	Installed by service personnel
Optional detection	Auto detection supported
Packaged items	Parts for mounting, operational sheet, staple directional instruction label, punch directional instrucrtion label, installation cautionary note

B. Finishing section

Capacity of paper exit and load	Non-staple: 1,000 sheets (Small size) Max. 500 sheets for A5R, INV-R (Plain paper 60 to 80g/m^2 (16 to 21 lbs) or equivalent) 500 sheets (Large size) (Plain paper 60 to 80g/m^2 (16 to 21 lbs) or equivalent)		
	Staple sort: 30 sets * (Max. 50 sets for small size, one-position stapling at the rear) Max: 1,000 sheets (Small size) 500 sheets (Large size) *: Less than 1,000 sheets and less than 30 sets depending on the use environment and paper curl.		
	Large size: A3W, A3, B4, 8K, 12" x 18", 11" x 17", 8.5" x 14", 8.5" x 13" Small size: A4, A4R, B5, B5R, A5R, 16K, 16KR, 8.5" x 11", 8.5" x 11"R, 5.5" x 8.5"R, 7.25" x 10.5"R		
Offset function	Provided		
Paper size which can be stapled	A3, B4, A4, A4R, B5, B5R, 8K, 16K, 16KR, 11" x 17", 8.5" x 14", 8.5" x 13", 8.5" x 11", 8.5" x 11"R		
Ejectable paper size	Determinate size	AB type	A3W, A3, B4, A4, A4R, B5, B5R, A5R, 8K, 16K, 16KR
		Inch type	12" x 18", 11" x 17", 8.5" x 14", 8.5" x 13", 8.5" x 11", 8.5" x 11"R, 5.5" x 8.5"R, 7.25" x 10.5"R
	Indeterminate size	AB type	148 x 100 to 432 x 297
		Inch type	5 1/2" x 5 1/2" to 17" x 11 5/8"
Paper weight	Thin paper: 55 to 59g/m^2 (15 to 16 lbs) Plain paper: 60 to 105g/m^2 (16 to 28 lbs) Heavy paper: 106 to 209g/m^2 (28 to 56 lbs)		
Quantity of paper to be stapled (Max.)	30 sheets (Small size, 90g/m^2 (24 lbs)) 25 sheets (Large size, 90g/m^2 (24 lbs))		
Stapling	3 kinds (One in the front, one at the back, two positions)		
Staple supply	Staple cartridge replacement		
Staple detection	Staple empty detection: Provided (Nearly empty: 40 pcs. remained)		
Manual stapling	No		

C. Saddle stitch section

Stapling type	Common to the staple specifications. 2-position stapling (center stapling), face down
Folding location	Center folding
Paper size	A3, B4, A4R, 8K, 16KR, 11" x 17", 8.5" x 11"R
Weight of paper applicable for saddle stitch	55 to 209g/m^2 (15 to 56 lbs)
Quantity of paper to be stapled	10 sets (6 to 10 sheets), 20 sets (1 to 5 sheets)

D. Consumable parts

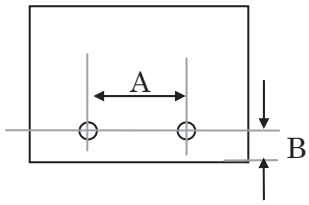
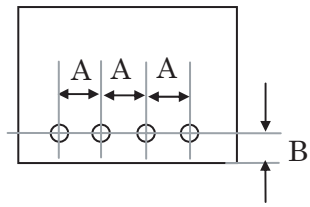
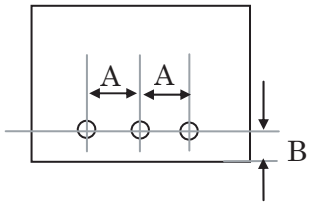
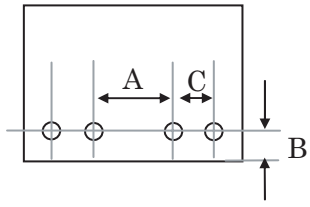
Name	Content	Life	Product name
Staple cartridge	Staple cartridge x 3	5000 x 3	AR-SC2

2. AR-PN1A/B/C/D

Type	Punch unit for saddle finisher	
Punch type	2 holes / 3 holes / 4 holes / 4 holes (wide) A punch unit that provides all of these 4 types can be installed.	
Transport speed	23, 27, 35, 45, sheets/min.	
Transport reference	Center reference	
Punch dust full detection	Provided	
Paper exit direction	Face down	
Paper weight	Plain paper: 60 to 105g/m^2 (16 to 28 lbs) Thin paper: 55 to 59g/m^2 (15 to 16 lbs) Heavy paper: 106 to 209g/m^2 (28 to 56 lbs)	
Puchable paper size	2 holes (AR-PN1A)	A3, B4, A4, A4R, B5, B5R, 11" x 17", 8.5" x 14", 8.5" x 13", 8.5" x 11", 8.5" x 11"R, 8K, 16K, 16KR
	3 holes *1 (AR-PN1B)	3 holes: A3, A4, 11" x 17", 8.5" x 11" 2 holes: 8.5" x 14", 8.5" x 13", 8.5" x 11"R
	4 holes (AR-PN1C)	A3, A4
	4 holes (wide) (AR-PN1D)	A3, B4, A4, A4R, B5, B5R, 11" x 17", 8.5" x 14", 8.5" x 13", 8.5" x 11", 8.5" x 11"R
Power source	Supplied from the finisher	
External dimensions (W x D x H)	105 x 560 x 175 (mm), 4 9/64 x 22 3/64 x 6 57/64 (inch)	
Weight	Approx. 2.9kg (6.4 lbs)	
Packaged items	Parts for mounting, instructional label for garbage pickup	

*1: Auto switching: 2 holes/3 holes

Kind of hole punch

Kind	Hole position		Hole size	Kind	Hole position		Hole size
2 holes (AR-PN1A)		A: 80±1mm B: 12±3mm	ϕ6.5mm	4 holes (AR-PN1C)		A: 80±1mm B: 12±3mm	ϕ6.5mm
3 holes (AR-PN1B)		A: 108±1mm B: 12±3mm	ϕ8.0mm	4 holes (wide) (AR-PN1D)		A: 70±1mm B: 12±3mm C: 21±1mm	ϕ6.5mm

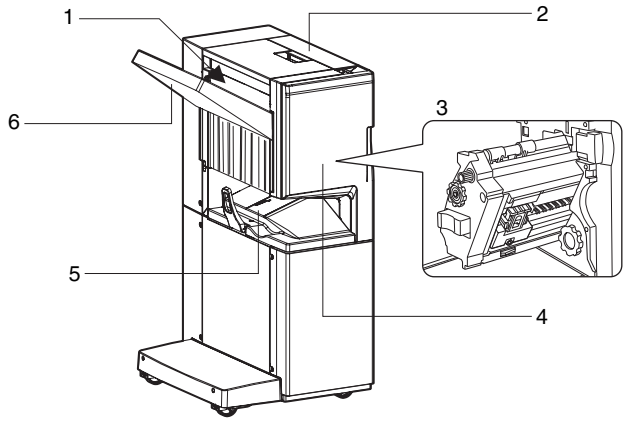
3. MX-RBX1

Type	Paper pass unit	
Paper reception reference	Center referance	
Receiving speed	62 to 450mm/sec (23 to 45cpm)	
Receiving and sending speed	23 to 45cpm	
Paper weight	Thin paper: 55 to 59g/m^2 (15 to 16 lbs) Plain paper: 60 to 105g/m^2 (16 to 28 lbs) Heavy paper: 106 to 209g/m^2 (28 to 56 lbs)	
Transportable paper sizes	A3W, A3, B4, A4, A4R, B5, B5R, A5R, 16K, 16KR 12" x 18", 11" x 17", 8.5" x 14", 8.5" x 13", 8.5" x 11", 8.5" x 11"R, 5.5" x 8.5"R, 7.25" x 10.5"R	
External dimensions (W x D x H)	555 x 535 x 165 (mm), 21 27/32 x 21 1/16 x 6 1/2 (inch)	
Weight	Approx. 7kg (15.4 lbs)	
Power source	Supplied by saddle finisher	
Power consumption	Included with saddle finisher power consumption	
Interface	Mechanical:	Fixed to the main unit with screws.
	Electrical:	Cable connection from the finisher
	Control:	Controlled by the communication command from the main unit through the finisher.
Installation/maintenance	Installed by service personnel	
Optional detection	Auto detection supported	
Packaged items	Parts for mounting, installation cautionary note	

[4] EXTERNAL VIEWS AND INTERNAL STRUCTURES

1. Part names and functions

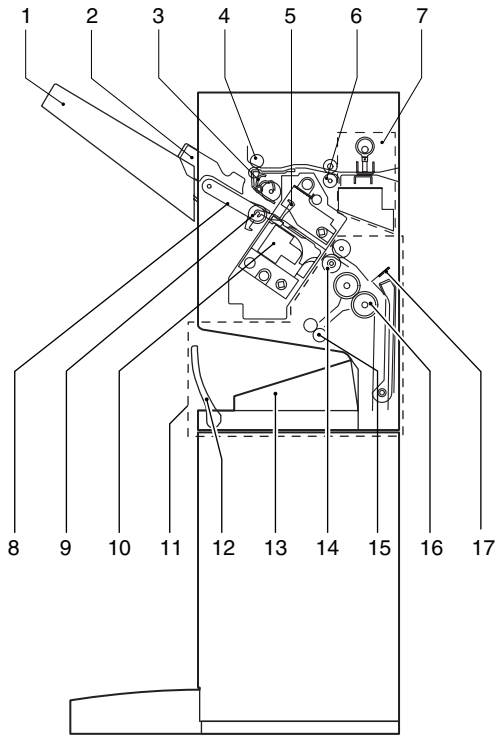
A. External view



1	Staple compiler	4	Front cover
2	Top cover	5	Saddle stitch tray
3	Staple section	6	Offset tray

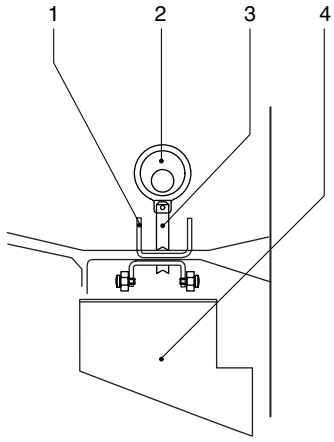
B. Internal structure

(1) Finisher section



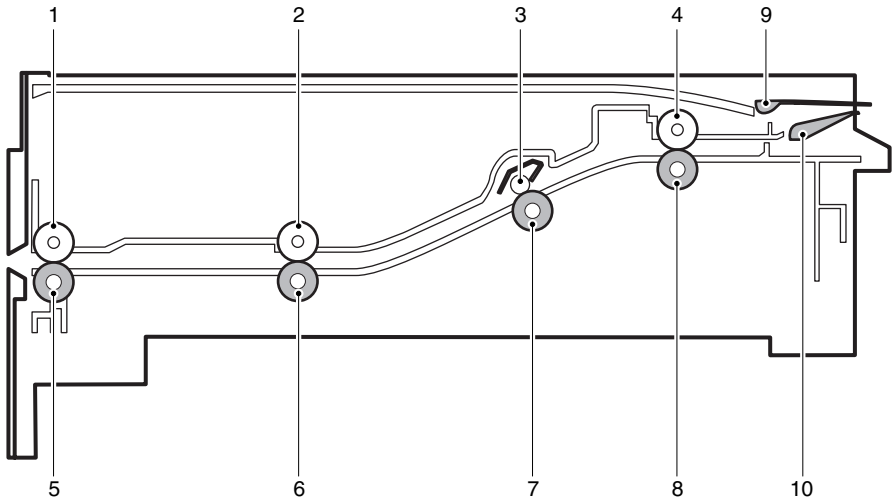
1	Paper exit tray	10	Stapler
2	Alignment plate (Front, back)	11	Saddle section
3	Paddle	12	Book making stopper
4	Paper exit roller	13	Book making tray
5	Process tray stopper	14	Bundle transport roller
6	Transport roller	15	Book making exit roller
7	Punch section (Option)	16	Paper folding roller
8	Paper exit belt	17	Paper pushing plate
9	Bundle exit roller		

(2) Punch section (Option: AR-PN1A/B/C/D)



1	Die	3	Punch
2	Cam	4	Punch dust box

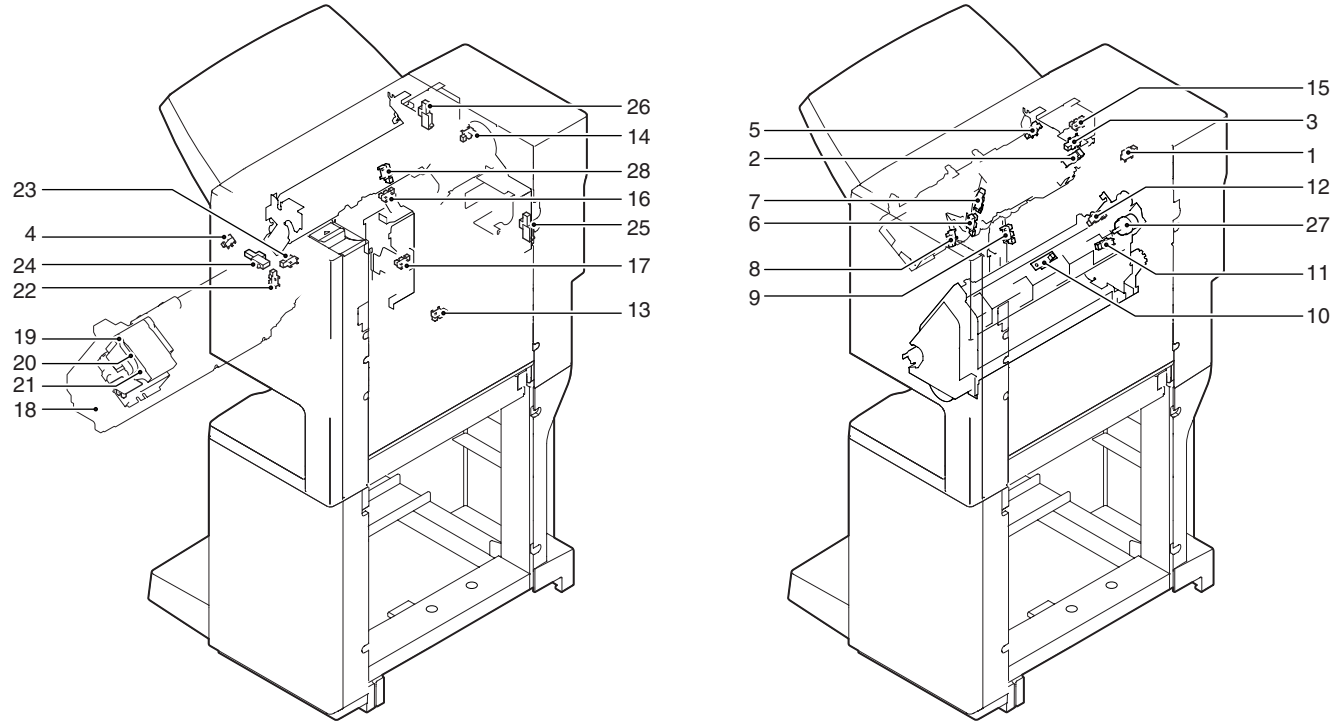
(3) Interface transport section (MX-RBX1)



1	Paper exit roller	6	Paper exit front roller
2	Paper exit front roller	7	Inlet port rear roller
3	Inlet port rear roller shaft	8	Inlet port roller
4	Inlet port roller	9	Reverse flapper
5	Paper exit roller	10	Upper guide flapper

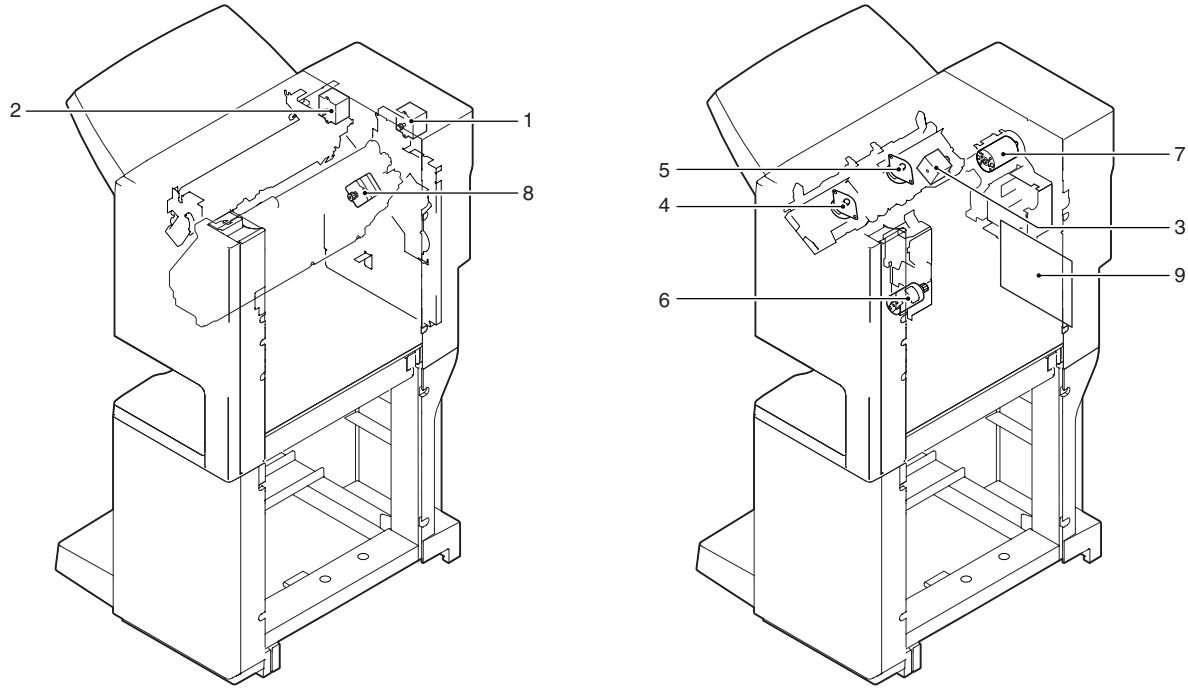
C. Finisher and saddle section

(1) Sensor, switch and clutch



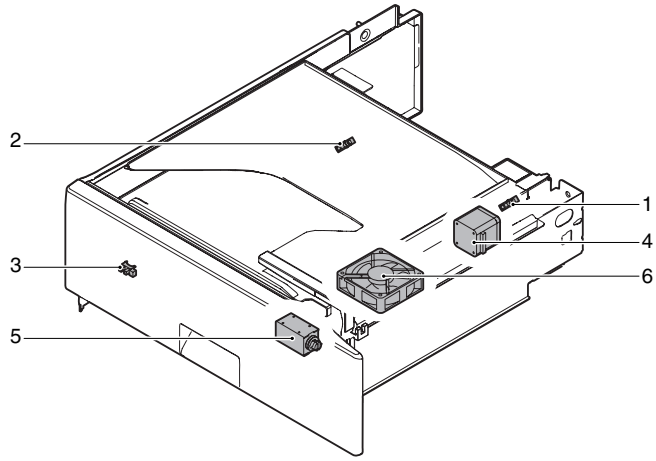
No.	Signal	Name	Active condition
1	FED	Entry paper sensor	Paper detected: "H"
2	FPDHPD	Paddle home position sensor	Paddle HP: "H"
3	FARHPD	Bundle roller home position sensor	Oscillation guide HP: "H"
4	FFJHPD	Alignment home position sensor (front)	Alignment tray (F) HP: "H"
5	FRJHPD	Alignment home position sensor (rear)	Alignment tray (R) HP: "H"
6	FAD	Alignment tray sensor	Paper detected: "H"
7	FOBHPD	Exit belt home position sensor	Paper exit belt HP: "H"
8	FBED	Tray paper sensor	Tray paper detected: "H"
9	FSLD	Paper level sensor	Paper detected: "H"
10	FFPD	Bookbinding position sensor	Paper detected: "L"
11	FFHPD	Bookbinding home position sensor	Folding operation HP: "L"
12	FFRHPD	Bookbinding roller home position sensor	Bundle transport roller HP: "H"
13	FFED	Bookbinding paper sensor	Paper detected: "H"
14	FFE	Bookbinding lock sensor	
15	FULD	Lift upper sensor	Tray upper limit detected: "H"
16	FLLD	Lift lower sensor	Tray lower limit detected: "H"
17	FLE	Lift lock sensor	
18	FSTHPD	Staple shift home position sensor	Stapler HP: "H"
19	FSHPD	Staple drive home position sensor	Stapler stapling HP: "L"
20	FSPD	Self prime sensor	Cartridge staple detected: "L"
21	FSD	Staple empty sensor	Stapler cartridge detected: "L"
22	FFDD	Front door sensor	Front cover open: "H"
23	FCD	Upper cover sensor	Upper cover open: "H"
24	FFDDW	Front door switch	Front door closed: "H"
25	FJSW	Joint switch	Printer connected: "H"
26	FSSSW	Staple safety switch	Oscillation guide closed: "H"
27	FCC	Bookbinding clutch	When drive is transmitted: "H"
28	FMLD	Tray middle sensor	Tray middle detected: "H"

(2) Motor and PCB



No.	Signal	Name	Active condition
1	FFM	Transport motor	Paper transport
2	FPM	Paddle motor	Oscillation guide drive, paper exit to offset tray
3	FAM	Bundle exit motor	Paper exit operation
4	FFJM	Alignment motor (front)	Alignment plate (F) drive
5	FRJM	Alignment motor (rear)	Alignment plate (R) drive
6	FLM	Lift motor	Paper exit tray up/down
7	FFSM	Staple motor	Stapling/paper folding
8	FSM	Staple shift motor	Staple unit sliding
9	PBA-CONT	Control PCB	Finisher control

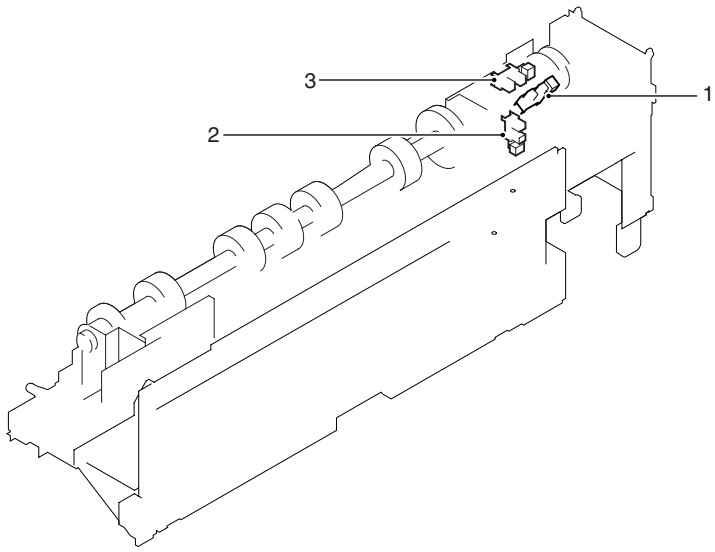
D. Interface transport section (MX-RBX1)



No.	Signal	Name	Type	Function/Operation	Output
1	FJPID	Interface transport unit inlet port sensor	Photointerrupter	Interface inlet port paper detection	LO light is interrupted when paper is provided.
2	FJPOD	Interface transport unit outlet port sensor	Photointerrupter	Interface outlet port paper detection	LO light is interrupted when paper is provided.
3	FJPDD	Interface transport unit cover sensor	Photointerrupter	Interface cover open detection	Light is interrupted when the cover is open.
4	FJPM	Interface transport motor		Paper transport roller drive	
5	FINRPS	Interface reverse path solenoid		Drive of the flapper which selects the path in the finisher and the reverse path	
6	FJFM	Interface fan		Temperature rise protection fan in the finisher inlet port section	

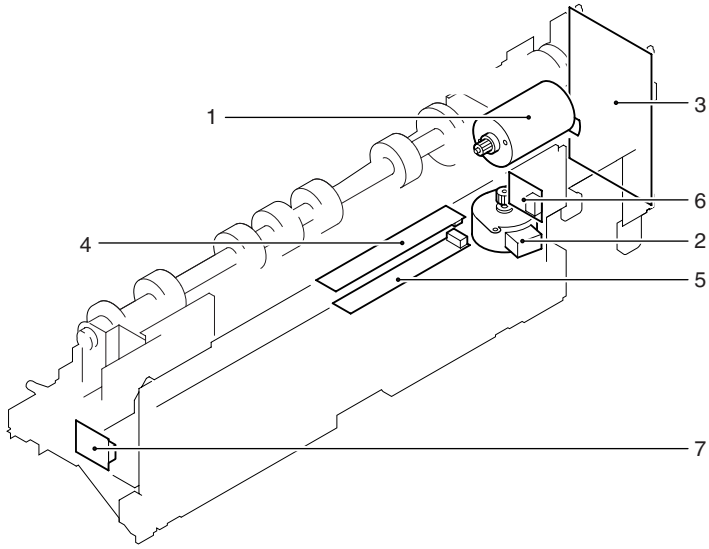
E. Punch section (AR-PN1A/B/C/D)

(1) Sensor



No.	Signal	Name	Active condition
1	FPHPD	Punch home position sensor	Punch HP detected: "L"
2	FPSHPD	Punch side resist home position sensor	Punch slide unit HP detected: "H"
3	FPMCK	Punch motor lock sensor	

(2) Motor and PCB



No.	Signal	Name	Active condition
1	FPNM	Punch motor	Punch drive
2	FPSM	Punch side resist motor	Punch slide unit transverse move
3		Punch control PCB	
4	FPTD	Side resist photo sensor PCB	Punch horizontal resist and punch timing detection
5	FPSD1 – 4	Side resist LED PCB	
6	FPDD	Dust full photo sensor PCB	Punch dust full detection
7		Dust full LED PCB	

[5] OPERATIONAL DESCRIPTION

1. Basic operations

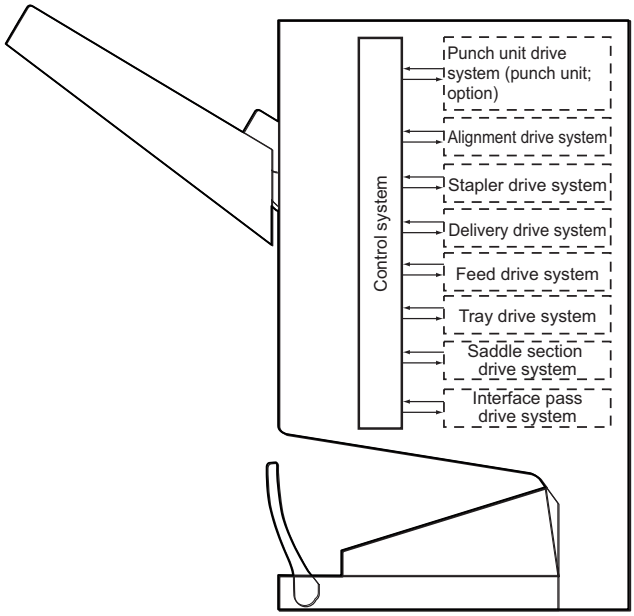
A. Specifications

The finisher serves to deliver sheets coming from its host machine. The mode of delivery may be non-sort stack, job offset *, or staple delivery.

The saddle unit built into the finisher is used to fold a stack of sheets coming from the finisher unit in half for delivery.

The punch unit (option) is designed for installation to the pickup assembly of the finisher, and is used to punch holes in sheets coming from the host machine.

The above operations are controlled with various commands from the finisher controller PCB as well as the commands from the punch controller PCB.



*: The position of delivery is shifted to the front/rear for each stack to assist sorting.

B. Outline of the Electrical Circuitry

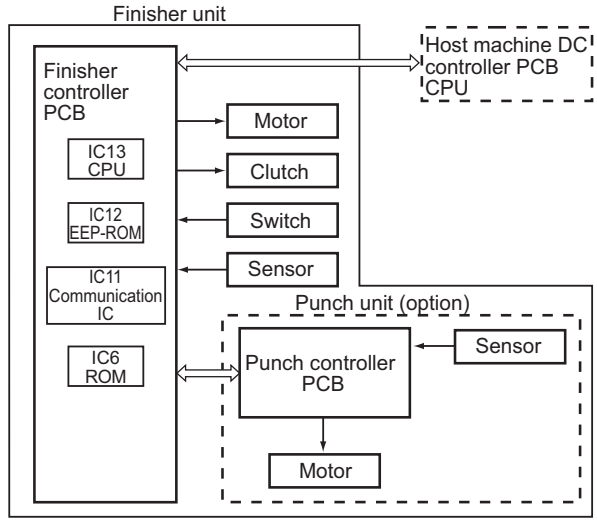
The sequence of finisher operations is controlled by the finisher controller PCB. The finisher controller PCB is a 16-bit microprocessor (CPU), and is also used for combination with the host machine (serial).

The finisher controller PCB drive motors and other loads in response to the various commands from the host machine. It also communicates such data as on the states of various sensors and switches to the host machine by way of the serial communication line.

The ICs mounted to the finisher controller PCB have the following functions:

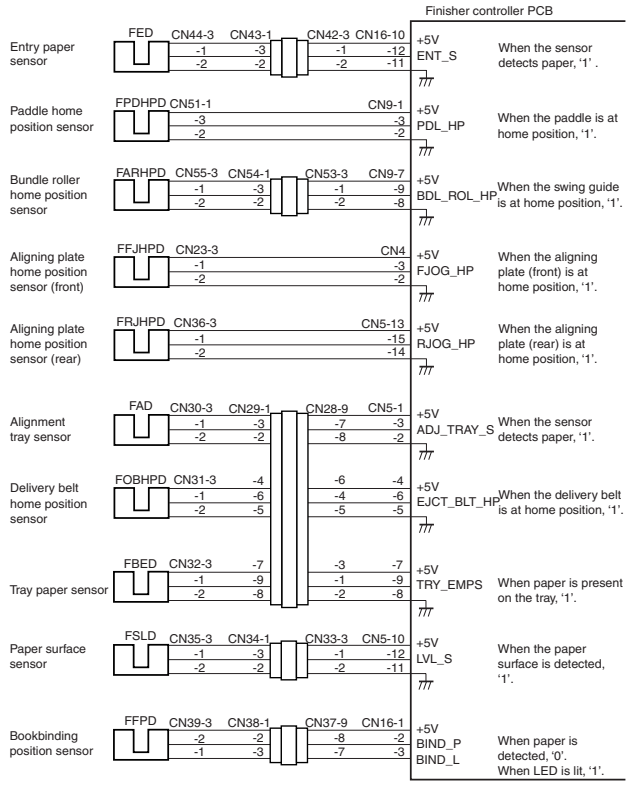
- IC13 (CPU): Controls sequence of operations.
- IC12 (EEP-ROM): Backs up adjustment settings.
- IC6: Stores sequence programs.
- IC11 (expansion port): I/O port

The flow of signals between finisher and options controller is shown as below.

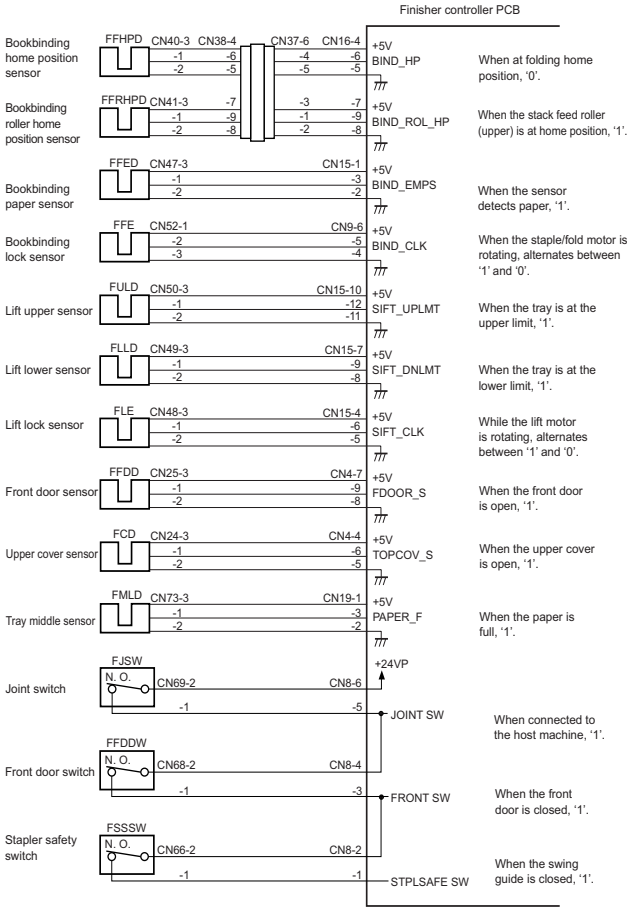


C. Inputs to and Outputs from the Finisher Controller PCB

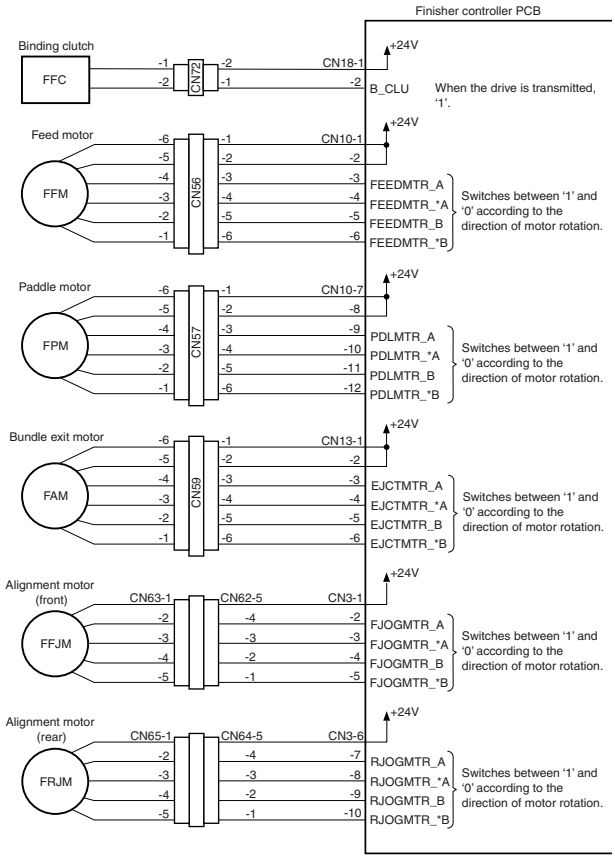
- Inputs to the Finisher Controller PCB (1/2)


Finisher controller PCB
Entry paper sensor
FED CN44-3 CN43-1 CN42-3 CN16-10
+5V ENT_S
When the sensor detects paper, '1'.
Paddle home position sensor
FPDHPD CN51-1 CN9-1
+5V PDL_HP
When the paddle is at home position, '1'.
Bundle roller home position sensor
FARHPD CN55-3 CN54-1 CN53-3 CN9-7
+5V BDL_ROL_HP
When the swing guide is at home position, '1'.
Aligning plate home position sensor (front)
FFJHPD CN23-3 CN4
+5V FJOG_HP
When the aligning plate (front) is at home position, '1'.
Aligning plate home position sensor (rear)
FRJHPD CN36-3 CN5-13
+5V RJOG_HP
When the aligning plate (rear) is at home position, '1'.
Alignment tray sensor
FAD CN30-3 CN29-1 CN28-9 CN5-1
+5V ADJ_TRAY_S
When the sensor detects paper, '1'.
Delivery belt home position sensor
FOBHPD CN31-3
+5V EJCT_BLT_HP
When the delivery belt is at home position, '1'.
Tray paper sensor
FBED CN32-3
+5V TRY_EMPS
When paper is present on the tray, '1'.
Paper surface sensor
FSLD CN35-3 CN34-1 CN33-3 CN5-10
+5V LVL_S
When the paper surface is detected, '1'.
Bookbinding position sensor
FFPD CN39-3 CN38-1 CN37-9 CN16-1
+5V BIND_P BIND_L
When paper is detected, '0'. When LED is lit, '1'.

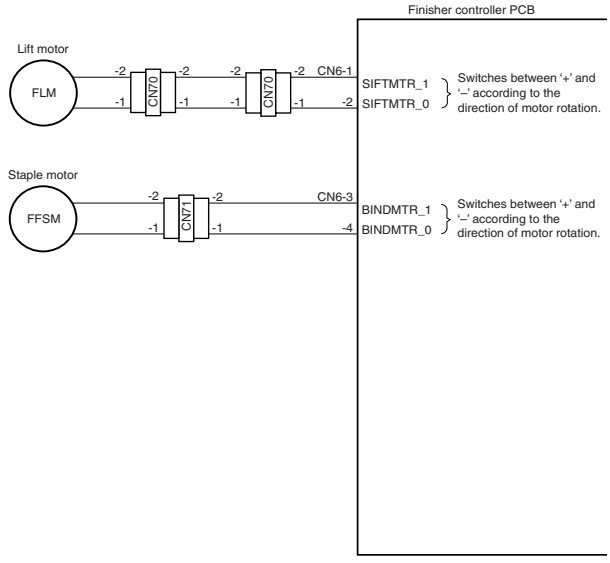
- Inputs to the Finisher Controller PCB (2/2)


Finisher controller PCB
Bookbinding home position sensor
FFHPD CN40-3 CN38-4 CN37-6 CN16-4
+5V BIND_HP
When at folding home position, '0'.
Bookbinding roller home position sensor
FFRHPD CN41-3
+5V BIND_ROL_HP
When the stack feed roller (upper) is at home position, '1'.
Bookbinding paper sensor
FFED CN47-3 CN15-1
+5V BIND_EMPS
When the sensor detects paper, '1'.
Bookbinding lock sensor
FFE CN52-1 CN9-6
+5V BIND_CLK
When the staple/fold motor is rotating, alternates between '1' and '0'.
Lift upper sensor
FULD CN50-3 CN15-10
+5V SIFT_UPLMT
When the tray is at the upper limit, '1'.
Lift lower sensor
FLLD CN49-3 CN15-7
+5V SIFT_DNLMT
When the tray is at the lower limit, '1'.
Lift lock sensor
FLE CN48-3 CN15-4
+5V SIFT_CLK
While the lift motor is rotating, alternates between '1' and '0'.
Front door sensor
FFDD CN25-3 CN4-7
+5V FDOOR_S
When the front door is open, '1'.
Upper cover sensor
FCD CN24-3 CN4-4
+5V TOPCOV_S
When the upper cover is open, '1'.
Tray middle sensor
FMLD CN73-3 CN19-1
+5V PAPER_F
When the paper is full, '1'.
Joint switch
FJSW N. O. CN69-2 CN8-6
+24VP
JOINT SW
When connected to the host machine, '1'.
Front door switch
FFDDW N. O. CN68-2 CN8-4
FRONT SW
When the front door is closed, '1'.
Stapler safety switch
FSSSW N. O. CN66-2 CN8-2
STPLSAFE SW
When the swing guide is closed, '1'.

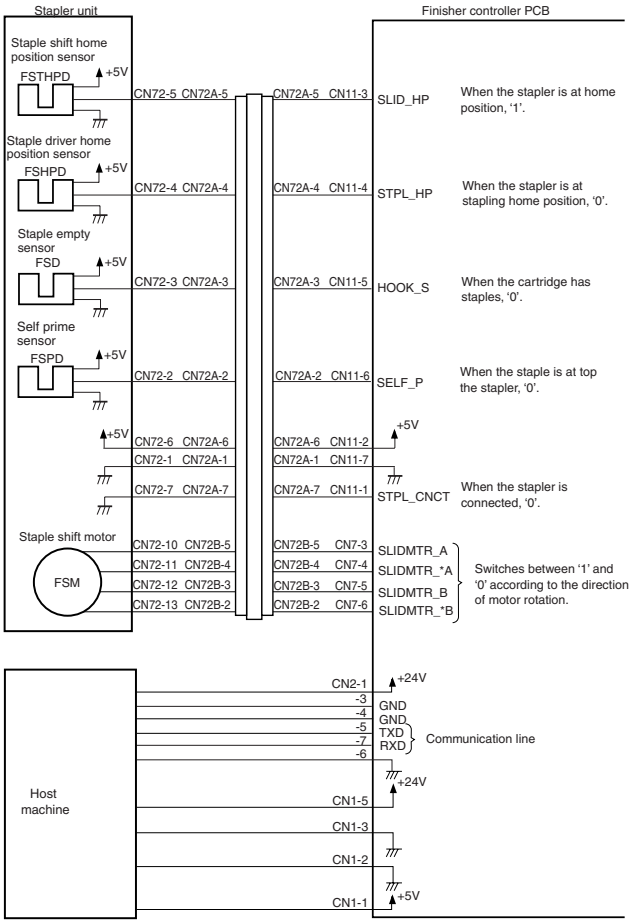
- Outputs from the Finisher Controller PCB (1/2)



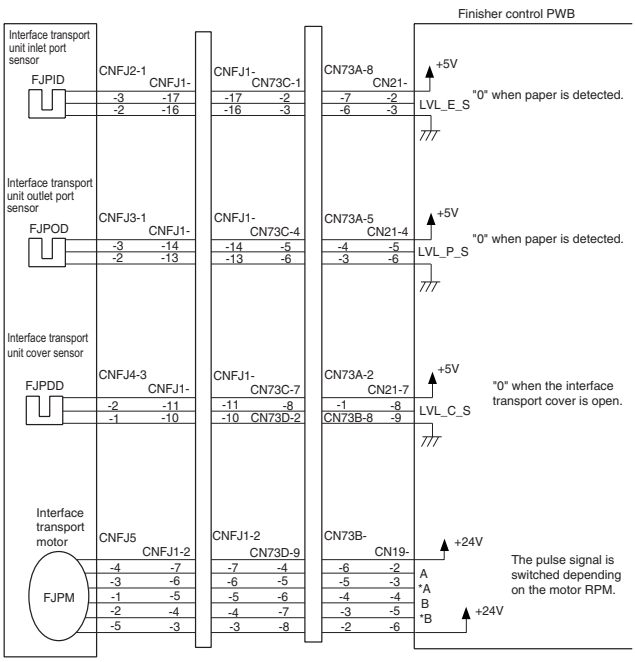
- Outputs from the Finisher Controller PCB (2/2)



- Inputs to and Outputs from the Finisher Controller PCB (1/2)

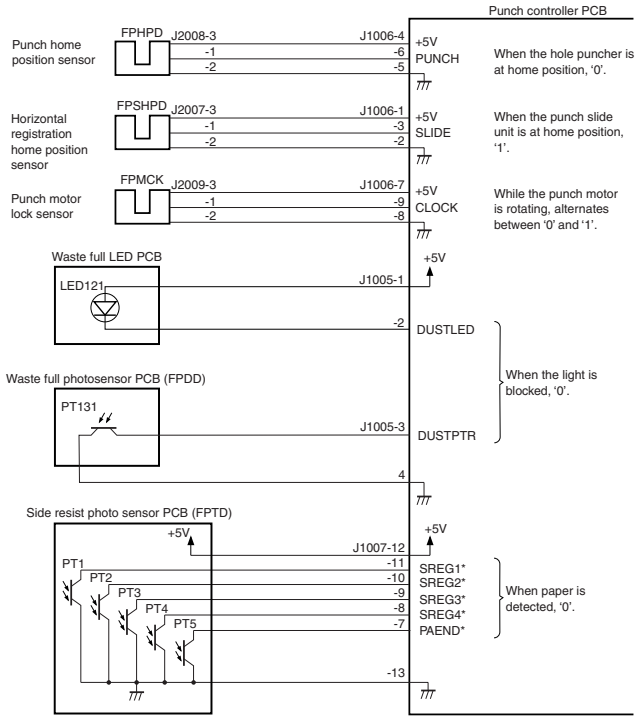


- Inputs to and Outputs from the Finisher Controller PCB (2/2)

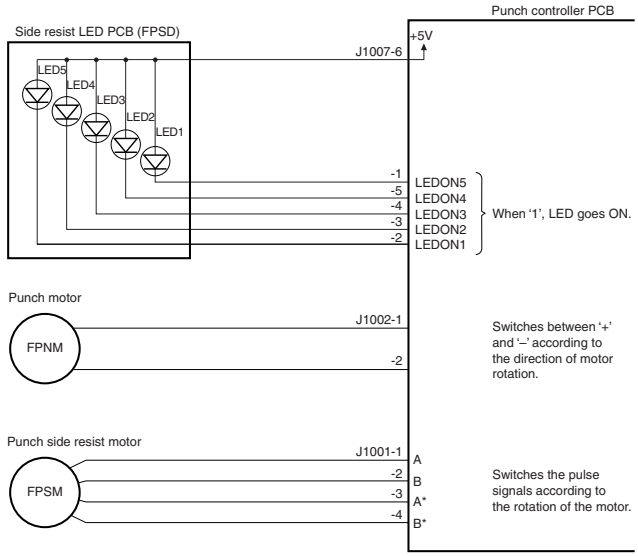


D. Inputs to and Outputs from the Punch Controller PCB (option)

- Inputs to and Outputs from the Punch Controller PCB



- Outputs from the Punch Controller PCB



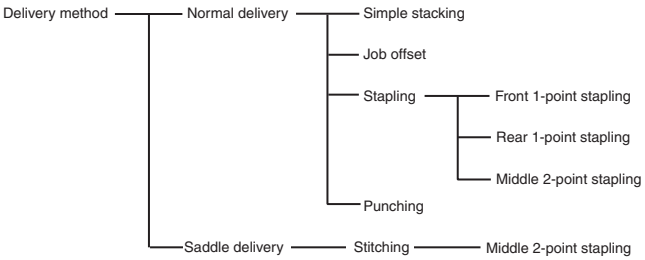
2. Feed/Drive System

A. Outline

The machine performs the following in response to the commands coming from its host machine on the sheets arriving from the host machine for delivery: simple stacking, job offset, and stapling or folding (in two).

If a punch unit (option) is installed, the sheets are pouched and delivered to the delivery tray.

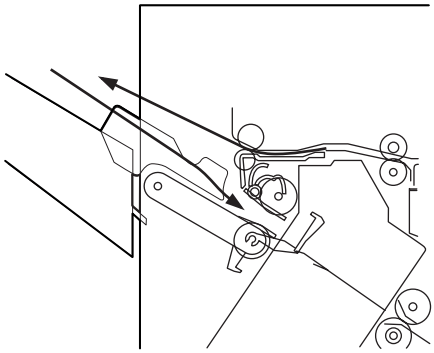
Sheets may be delivered in either of five ways (including one for the punch unit):

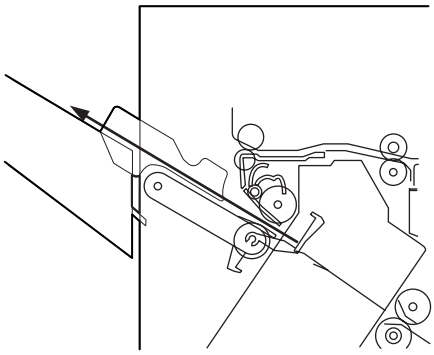


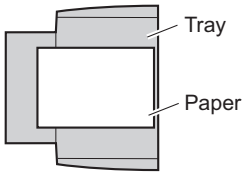
(1) Normal Delivery

a. Simple Stacking

The machine pulls in the sheet once to the processing tray and then delivers it to the delivery tray.

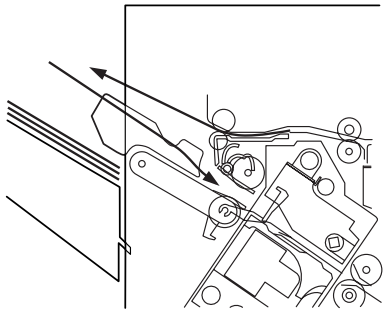


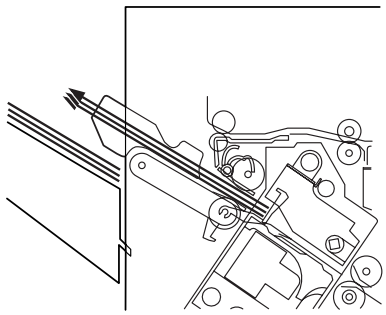




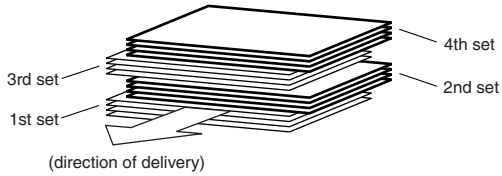
b. Job Offset

The machine pulls the sheet once to the processing tray. It then moves the sheet to the front or the rear using the aligning plate. When it has deposited a specific number of sheets, it delivers them in the form of a aligning plane. When the number of sheets stacked on the processing tray reaches a specified value, the sheets are delivered in a form of a stack.



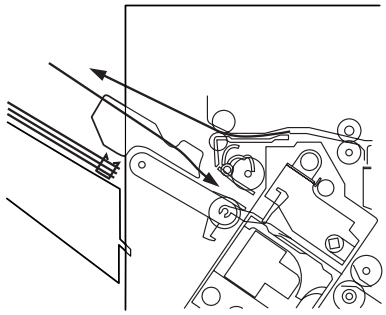


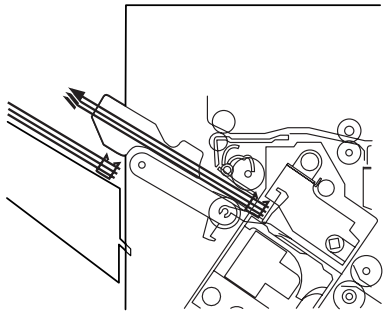
Results of offset delivery (4 jobs)



c. Stapling

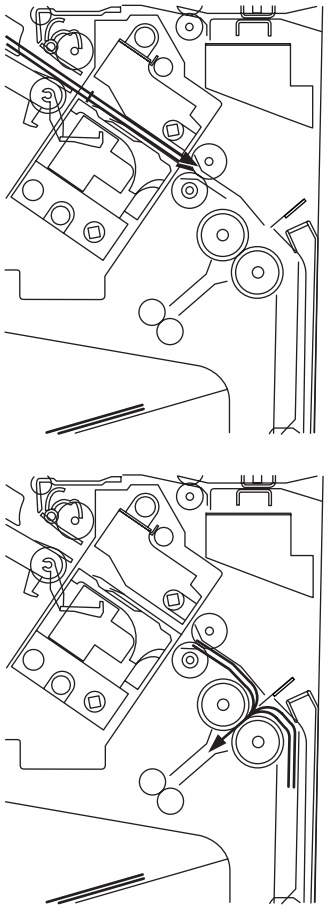
The machine stacks sheets coming from its host machine on the processing tray. When the number of sheets stacked on the processing tray reaches a specified value, the finisher staples them delivers the stapled stack to the delivery tray.





d. Saddle Delivery

The machine deposits a stack of sheets on the processing tray, staples it (middle 2-point), and then moves it to the saddle unit. The saddle unit folds the stack in two, and delivers it to the bind tray.



B. Feed/Delivery

(1) Outline

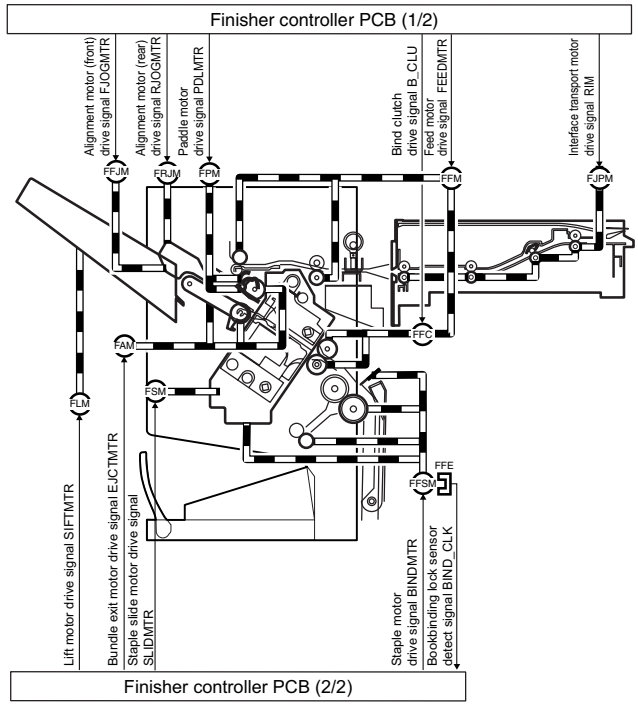
The machine forwards the sheets coming from its host machine to the delivery tray, processing tray, or saddle unit according to the type of delivery used. The sheets forwarded to the processing tray or the saddle unit are offset, stapled, or folded.

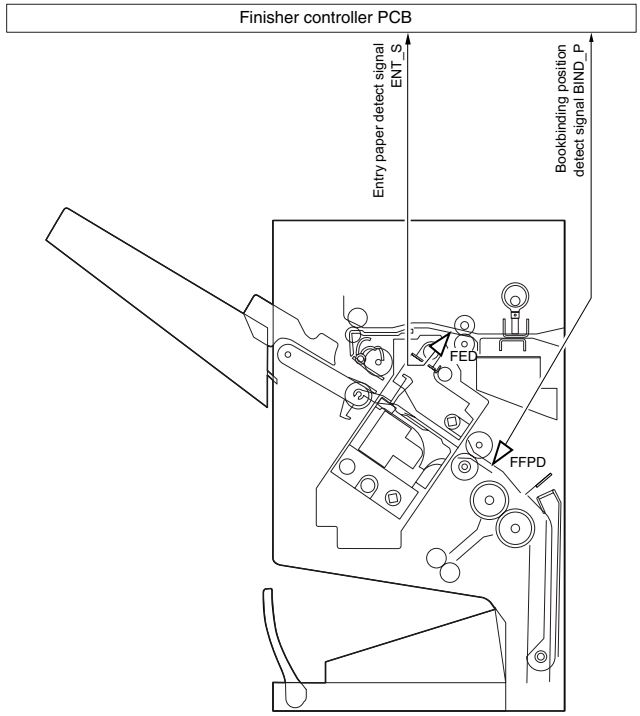
The following table shows the motors that are associated with moving and aligning sheets. These motors are controlled (rotated clockwise or counterclockwise) by the microprocessor (CPU) on the finisher controller PCB.

The paper path is equipped with the sensors shown in the following figure used to monitor the arrival or passage of sheets.

If a sheet fails to arrive at or move past a specific sensor within a specific period of time, the finisher controller will assume a jam, and stops the ongoing operation and, at the same time, communicates the presence of a jam to the host machine.

Notation	Name	Description	Connector on finisher controller PCB
FFM	Feed motor	Stepping motor	CN10
FPM	Paddle motor	Stepping motor	CN10
FAM	Bundle exit motor	Stepping motor	CN13
FFJM	Alignment plate motor (front)	Stepping motor	CN3
FRJM	Alignment plate motor (rear)	Stepping motor	CN3
FFSM	Staple motor	Brush DC motor	CN6
FJPM	Interface transport motor	Stepping motor	CN21





Notation	Name	Description	Connector on finisher controller PCB
FED	Entry paper sensor	Photointerrupter	CN16
FFPD	Bookbinding position sensor	Photointerrupter	CN16

C. Job Offset

(1) Outline

"Job offset" refers to the operation by which the machine delivers a set of sheets with them pulled forward or backward for sorting.

Switching between the forward and backward directions is made using an aligning plate (front) and an aligning plate (rear).

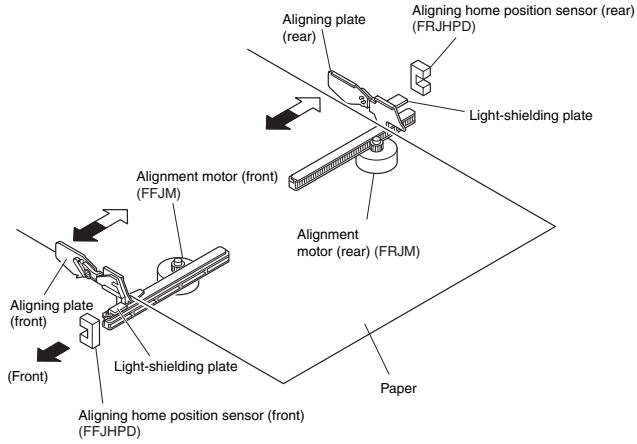
The sheet coming between the delivery rollers is fed onto the processing tray and then fed toward the stopper by the paddle.

A swing guide is at the up position while a sheet is being pulled onto the processing tray or during alignment. It is at the down position during stack feeding, stack delivery, or stapling.

At power-on, the finisher controller PCB drives the aligning motor (front) (FFJM) and the aligning motor (rear) (FRJM) to return the two aligning plates to their home positions.

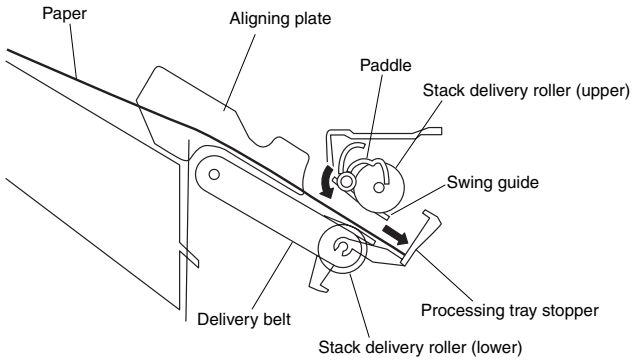
Sensor	Symbol	Connector
Aligning home position sensor (front)	FFJHPD	CN4-3
Aligning home position sensor (rear)	FRJHPD	CN5-15
Stack roller home position sensor	FARHPD	CN9-9
Paddle home position sensor	FPDHPD	CN9-3

Function	Motor	Symbol
Drives the aligning plate (front)	Aligning motor (front)	FFJM
Drives the aligning plate (rear)	Aligning motor (rear)	FRJM
Drives the swing guide drive	Paddle motor	FPM
Drives the paddle (feeds paper)	Paddle motor	FPM



(2) Processing Tray Paper Stacking Operation

A sheet coming between the delivery rollers is fed onto the processing tray. Then, the paddle taps on the sheet surface to locate the sheet against the processing tray stopper.

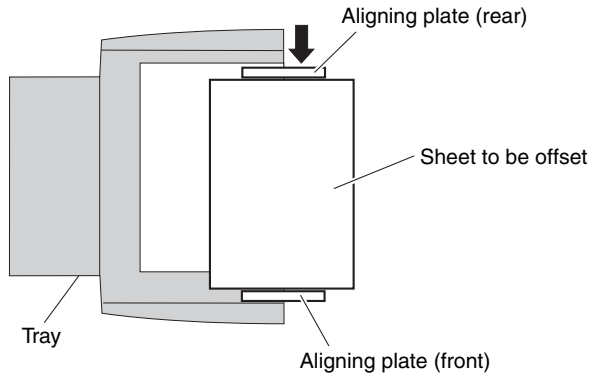


(3) Offset Operation

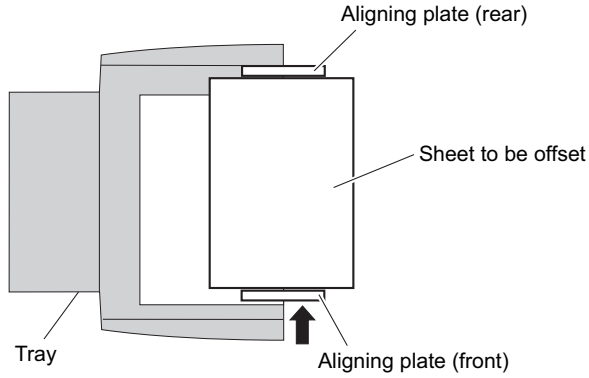
Each sheet is pulled forward or backward using the aligning plate (front) and the aligning plate (rear).

The offset operation is performed each time a sheet is pulled onto the processing tray.

Offsetting in the forward direction



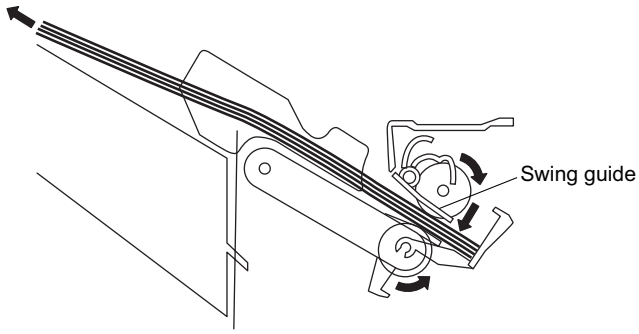
Offsetting in the backward direction



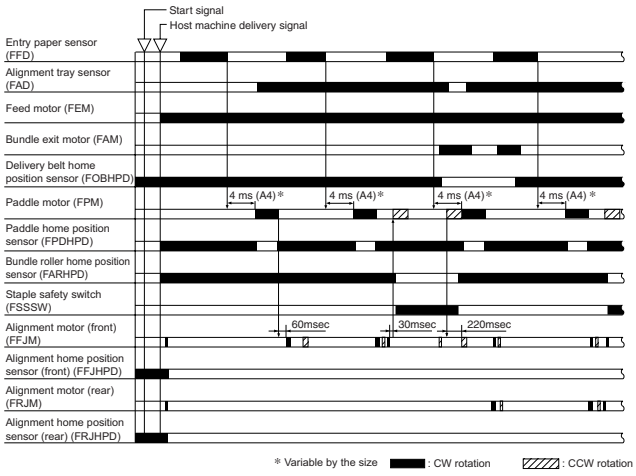
(4) Stack Delivery Operation

Stack delivery takes place when 1 sheet of large-size paper or 25 sheets of small-size paper have been stacked on the processing tray with them offset in either direction.

The paddle motor (FPM) rotates and the swing guide descends to hold the paper stack between the upper and lower stack delivery rollers. The stack delivery motor (FAM) rotates in the forward direction to rotate the delivery rollers, feeding the paper stack in the delivery direction. The delivery belt home position sensor is turned OFF. The delivery motor is driven a specified number of pulses, causing the swing guide to ascend. Next, the paper delivery motor is driven. Next, the delivery motor is driven to deliver the paper stack with the nails of the delivery belt that rotates in sync with the stack delivery rollers.



Job offset sequence



3. Stapling Operation

A. Outline

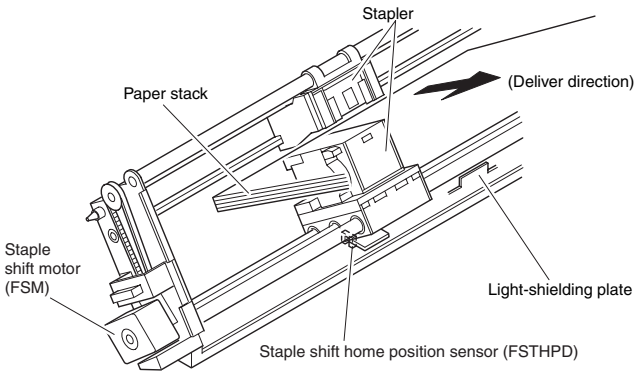
Staple operation is performed to staple a specified sheets of paper using a stapler unit.

The stapling position depends on the staple mode and paper size.

When the machine starts immediately after power-on, the finisher controller PCB drives the staple shift motor (FSM) to return the stapler unit to the home position. The stapler unit starts moving toward the front of the stapler frame. It stops when the staple shift home position sensor (FSTHPD) on the slide PCB located under the stapler unit. Next, the staple shift motor (FSM) is driven a specified number of pulses. The stapler unit moves to rear standby position at the back of the machine, entering the standby state.

Sensor	Symbol	Connector	Function	Remarks
Staple shift home position sensor	FSTHPD	CN11-3	Detects the home position for the stapler moving back and forth.	—
Staple drive home position sensor	FSHPD	CN11-4	Detects the home position for the stapling operation	In the stapler
Self prime sensor	FSPD	CN11-5	Detects presence or absence of staples in the cartridge.	In the stapler
Staple empty sensor	FSD	CN11-6	Cartridge empty detection	In the stapler

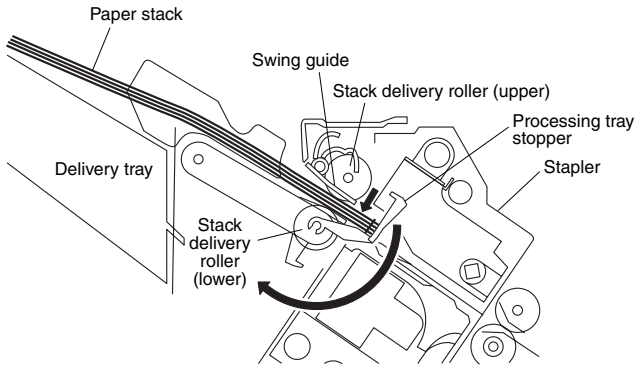
Function	Motor	Symbol	Remarks
Moves the stapler.	Staple shift motor	FSM	—
Performs stapling operation	Staple motor	FFSM	—

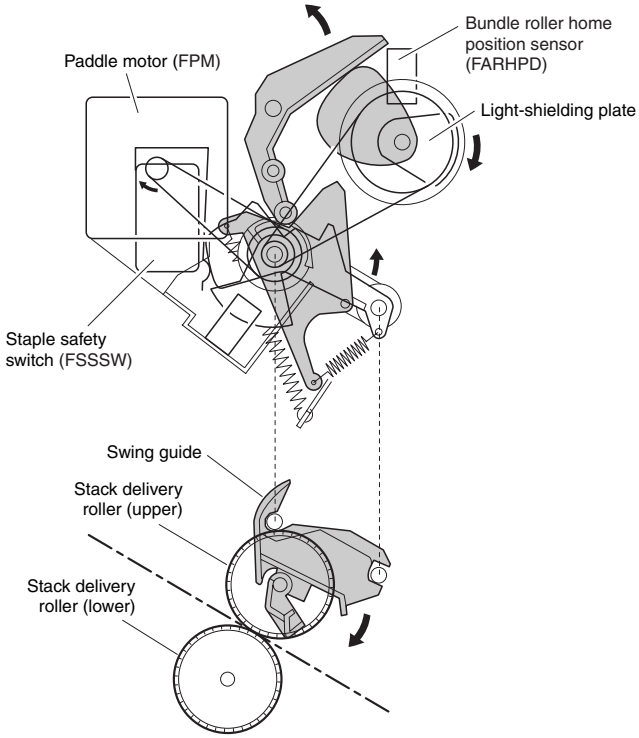


B. Stapling Operation

When stacking and alignment of paper on the processing tray are complete, the finisher controller PCB drives the paddle motor (FPM) in the reverse direction and lowers the swing guide. When the swing guide descends, the paper stack is sandwiched between the upper and lower stack delivery rollers.

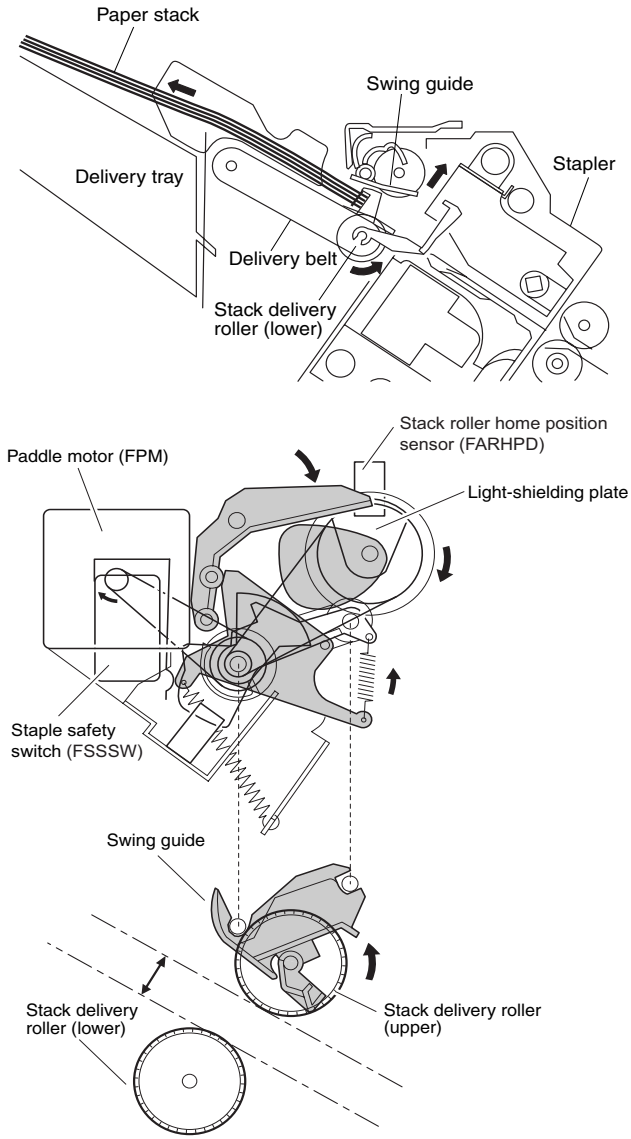
The finisher control PCB shifts the stapler according to the specified staple position to perform stapling. (Only for B5-R, 1-position bottom stapling is made at the rear side of 2-posiiton stapling.) When the stapler shifts toward you, the process tray stopper is put down to the lower side.





C. Delivery Operation after Stapling

When stapling is complete, the finisher controller PCB drives the stack delivery motor (FAM) in the forward direction to feed the paper stack (sandwiched between the stack delivery rollers) in the delivery direction. The delivery belt home position sensor (FOB-HPD) is turned OFF. The stack delivery motor (FAM) is driven a specified number of pulses, causing the swing guide to ascend. At the same time, the staple shift motor (FSM) is driven to return the stapler back to the standby position, followed by driving of the stack delivery motor (FAM). Then, the paper stack is delivered with the nails of the delivery belt that rotates in sync with the stack delivery rollers.



D. Stapler Unit

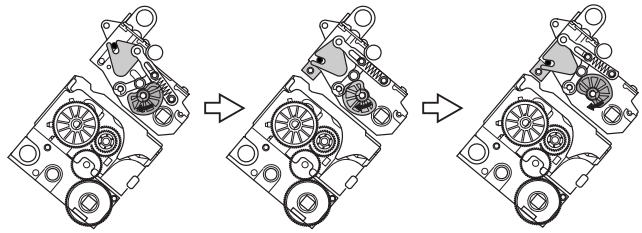
The staple motor (FFSM) is used to perform stapling operation. This motor rotates the cam one turn for stapling. The home position of this cam is detected by the staple drive home position sensor (FSHPD).

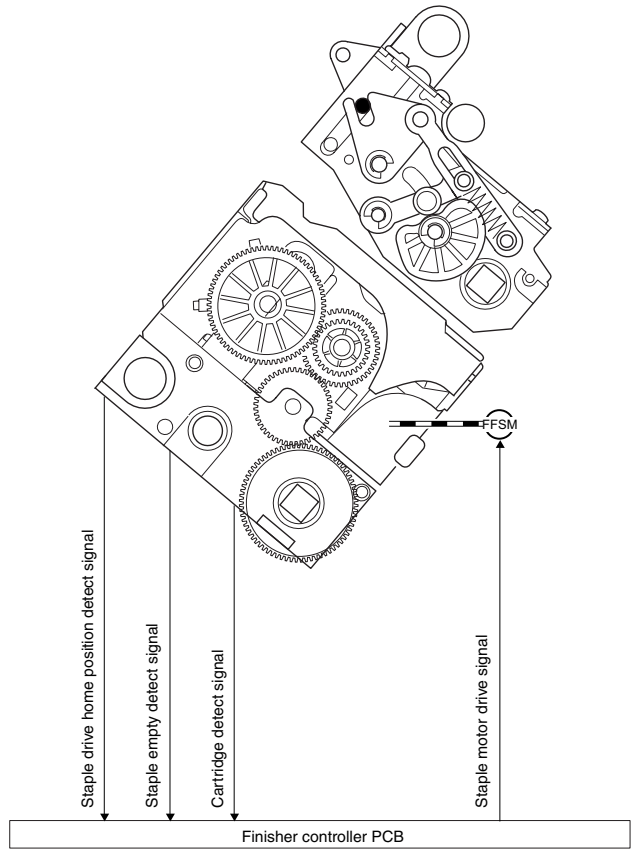
The staple motor (FFSM) is rotated in the forward or reverse direction under the control of the macro computer (IC13) on the finisher controller PCB.

When the staple drive home position sensor (FSHPD) is OFF, the finisher controller PCB rotates the staple motor (FFSM) in the forward direction until the sensor turns ON, allowing the staple cam to the original position.

The staple empty sensor (FSD) is used to detect presence/absence of a staple cartridge in the machine. The self prime sensor (FSPD) is used to detect presence/absence of staples in the cartridge.

The finisher controller circuit does not drive the staple motor (FFSM) unless the staple safety switch (FSSSW) is ON (the swing guide is close). This assures safety in case where you happen to put your finger in the stapler.





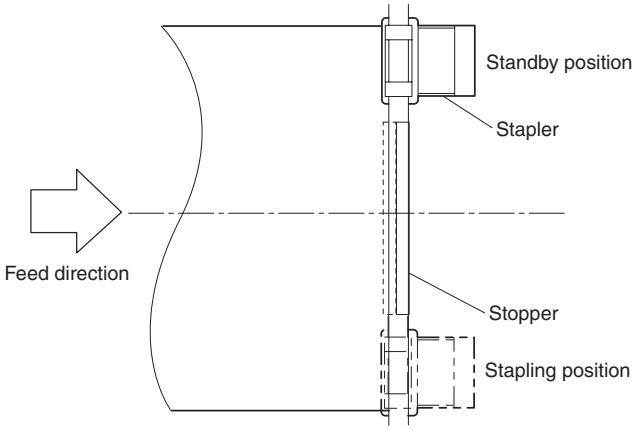
(1) Stapler Movement Controller

The stapler unit is moved by the staple shift motor (FSM). Its home position is detected by the staple shift home position sensor (FSTHPD). The stapler waits at the back irrespective of the staple mode and paper size. After paper has been stacked on the processing tray, the stapler is moved to the specified stapling position in response to the stapling command from the host machine.

The figure below shows the standby position of the stapler and the stapling position depending on the staple mode.

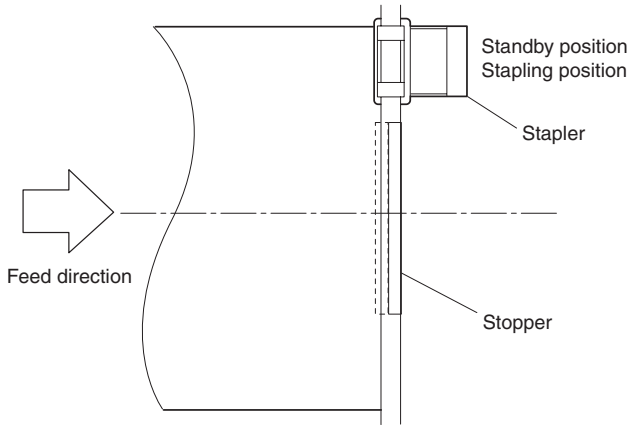
1) Front 1-point stapling

The stapler waits at the back. The stapler moves to and returns from the stapling position for each stapling operation.



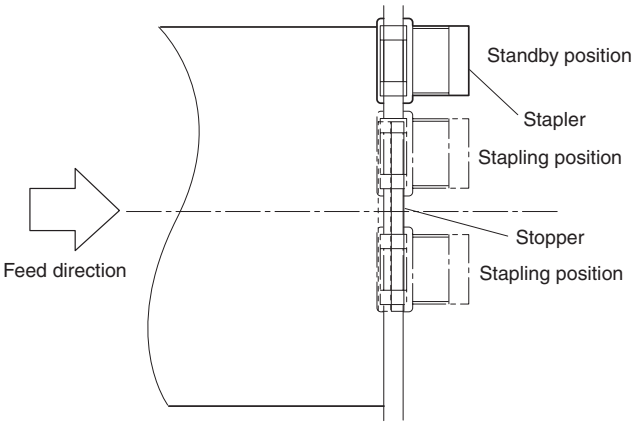
2) Rear 1-point stapling

The stapler waits at the back. The stapling position is the same as the standby position. (Except B5R)



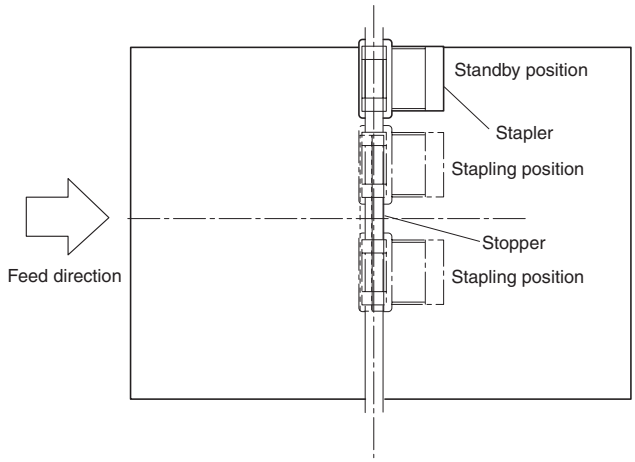
3) Middle 2-point stapling

The stapler waits at the back. The stapler moves to and returns from the stapling position for each stapling operation. The stapler first staples a paper stack at the rear stapling position and then staples it at the front stapling position.



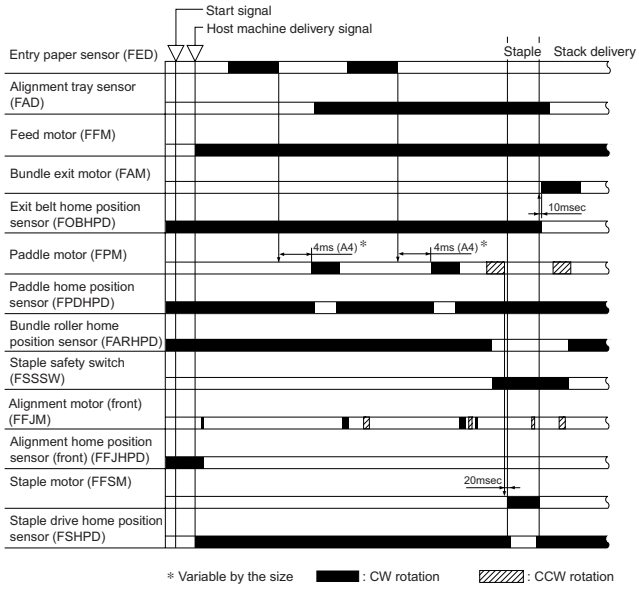
4) Middle 2-point stapling (bind mode)

The stapler waits at the back. The stapler moves to and returns from the stapling position for each stapling operation. The stapler first staples a paper stack at the rear stapling position and then staples it at the front stapling position.



Stapling Operation Sequence

Rear 1-point Stapling of 2 Sheets



4. Delivery Tray Operation

A. Outline

The machine has a delivery tray in the finisher unit and a bind tray in the saddle unit.

The bind tray in the saddle unit is of the fixed type and all the folded paper stacks are delivered to this tray. This tray has a bind tray sensor (FFED) to detect presence/absence of paper.

The delivery tray in the finisher unit is moved up and down using a lift motor (FLM).

The finisher has a tray paper sensor (FBED) to detect presence/absence of paper on the stack tray.

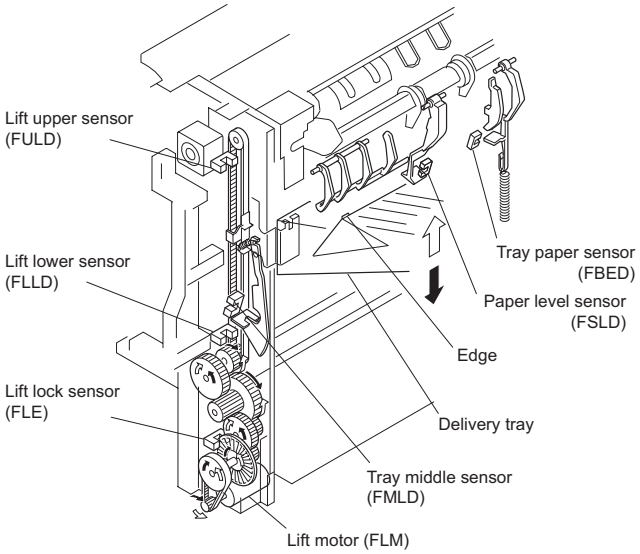
The home position sensor of the delivery tray is detected by the paper surface sensor (FSLD). When paper has already been stacked on the delivery tray, the home position is on the top surface of the stacked paper. When paper has not yet been stacked on the delivery tray, the home position is at the position where the edge of the delivery tray is detected. At power-on, the finisher controller PCB drives the lift motor (FLM) to return the delivery tray to the home position.

When the paper coming from the processing tray is stacked on the delivery tray, the lift motor (FLM) is driven a specified number of pulses, causing the delivery tray to descend. Clock pulses are detected by the lift lock sensor (FLE). Then, the delivery tray returns to the home position for the next stacking operation.

The upper limit of the delivery tray is detected by the lift upper limit sensor (FULD). When the lift upper limit sensor (FULD) is turned ON, the finisher controller PCB stops the lift motor (FLM) that is ascending.

The lower limit of the delivery tray is detected by the lift lower limit sensor (FLLD). When the lift lower limit sensor (FLLD) is turned ON, the finisher controller PCB stops the lift motor (FLM) that is descending.

The finisher unit has a tray middle sensor (FMLD) to detect over-stacking of large-size or mixed paper according to the stack height.



5. Saddle Unit

A. Basic Operations

(1) Outline

The machine stitches a stack of sheets (middle 2-point), then folds the stack in two in the finisher. These operations are controlled by the finisher controller PCB.

The finisher controller PCB is controlled by the commands from the host machine.

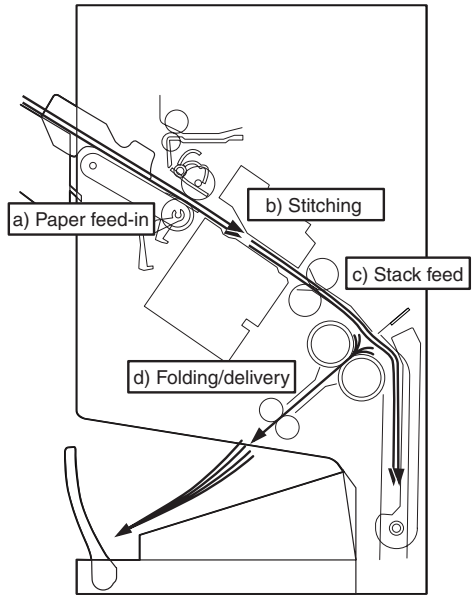
B. Feed/Drive System

(1) Outline

This machine stitches the paper stack coming from the finisher, folds it, and delivers it to the bind tray in the saddle unit in response to the commands from the host machine.

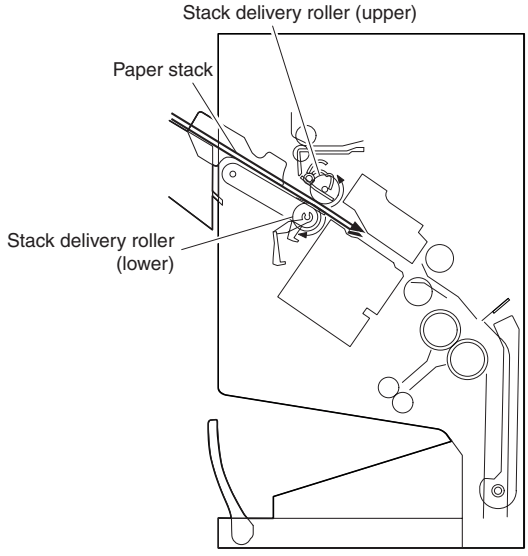
That is, the machine performs the following operations:

a. Paper feed-in
b. Stitching
c. Stack feed
d. Folding/delivery



a. Paper feed-in

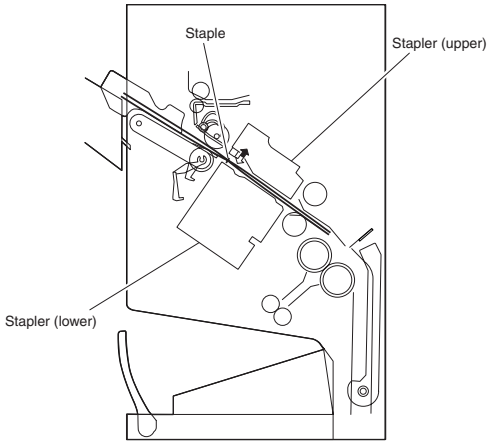
After being aligned on the processing tray, a stack of sheets is sandwiched between the stack delivery rollers. As the stack delivery rollers rotate, the stack is fed toward the saddle unit.



b. Stitching

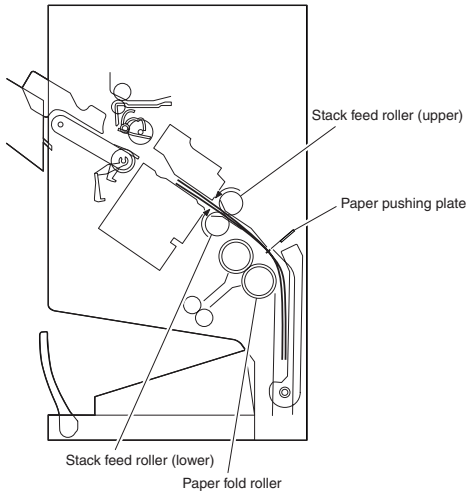
When the center of the paper stack (stitching position) reaches the stapler's staple position, the stapler stitches the paper stack.

When only one sheet is fed from the host machine, the next step (stack feed) is performed without performing the stitching operation.



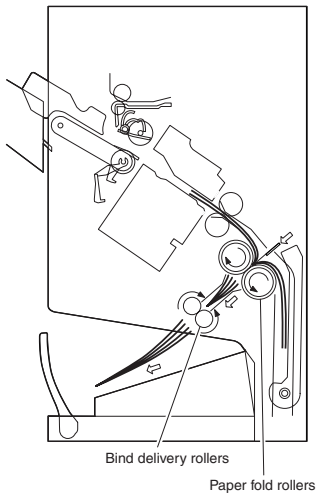
c. Stack feed

The stack feed rollers feed the paper stack to the stack folding/ delivery position where the center of the stack (stitched position) is level with the paper pushing plate and paper folding roller's nip part.



d. Folding/delivery

The paper pushing plate pushes in the center of the paper stack to feed it toward the paper fold rollers. Then, the paper fold rollers and bind delivery rollers deliver the paper stack to the bind tray.

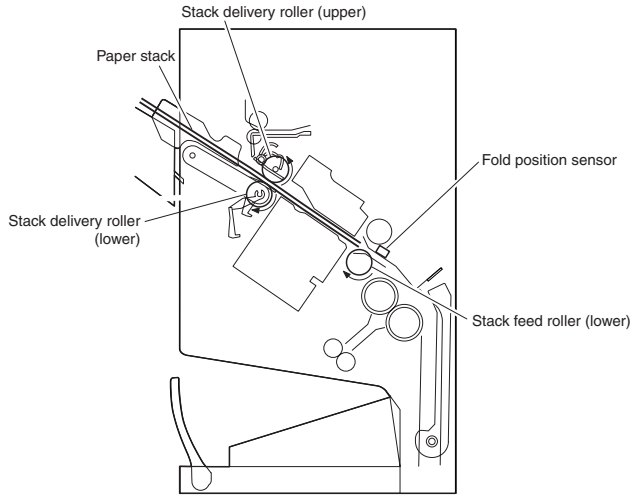


C. Paper Feed System

(1) Outline

The paper feed system feeds a stack of sheets (coming from the finisher) to the position where the center of the paper stack (stitching position) is aligned to the stapler's staple, allowing the next step (stitching and folding) to be performed.

When sheets of paper have been stacked and aligned on the processing tray, the paddle motor (FPM) rotates in the reverse direction, causing the swing guide to descend. As the swing guide descends, the paper stack is sandwiched between the upper and lower stack delivery rollers. The stack delivery motor (FAM) rotates in the reverse direction, feeding the paper stack toward the saddle unit. When the leading edge of the paper stack reaches the binding position sensor (FFPD), the finisher controller PCB drives the stack delivery motor (FAM) a specified number of motor pulses to stop the center of the paper stack (stitching position) at the stapler's staple position. Before the paper stack passes through the stack feed rollers, the feed motor (FFM) is driven to rotate the stack feed roller (lower) so that the leading edge of the paper stack is not bent.

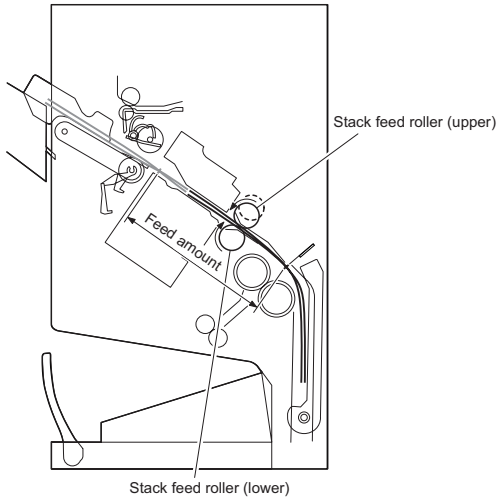


D. Stack Feed System

(1) Outline

The stack feed system feeds the stitched paper stack to the folding position.

When stitching is complete, the feed motor (FFM) rotates, causing the stack feed roller (upper) to descend. The paper stack is sandwiched between the stack feed rollers. Then, the bind clutch (FFC) is turned ON to rotate the feed motor (FFM) in the forward direction, thus feeding the paper stack to the folding position. The feed amount is equivalent to the number of pulses used to drive the feed motor (FFM) until the paper stack reaches the folding position.



E. Fold/Delivery System

(1) Outline

The paper fold mechanism consists of a guide plate, paper fold rollers, and a paper pushing plate.

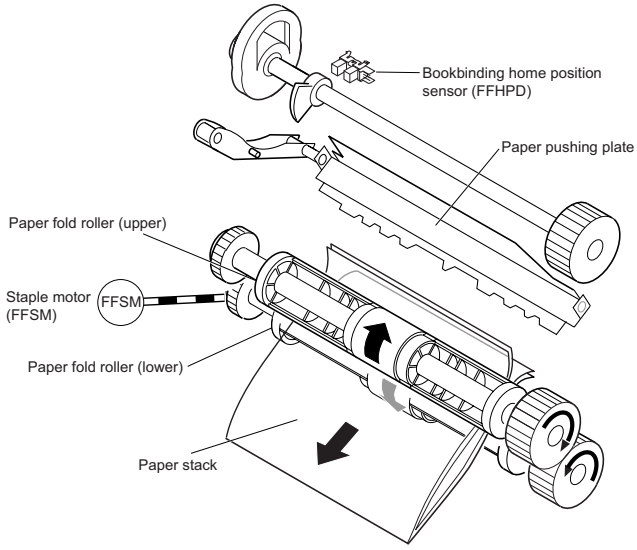
The guide plate, paper fold rollers, and paper pushing plate are driven by the staple motor (FFSM). The drive force is transferred with a combination of gears and cams. Motor operation is monitored by the binding lock sensor (FFE).

Until the paper stack reaches the folding position, the guide plate covers the paper fold rollers to act as a paper path through which a paper stack is fed to the saddle unit and to prevent a paper stack from touching the rollers.

A binding home position sensor (FFHPD) is provided to detect the positions of the paper fold rollers and paper pushing plate.

The paper stack folded in two by the paper fold rollers is delivered by bind delivery rollers. The bind delivery rollers are also driven by the staple motor (FFSM).

A bind tray sensor (FFED) is provided on the bind tray to detect presence/absence of a paper stack; however, it is not used to detect a jam.

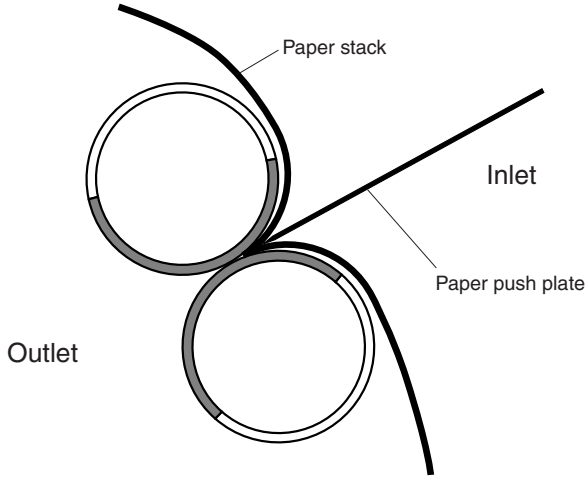


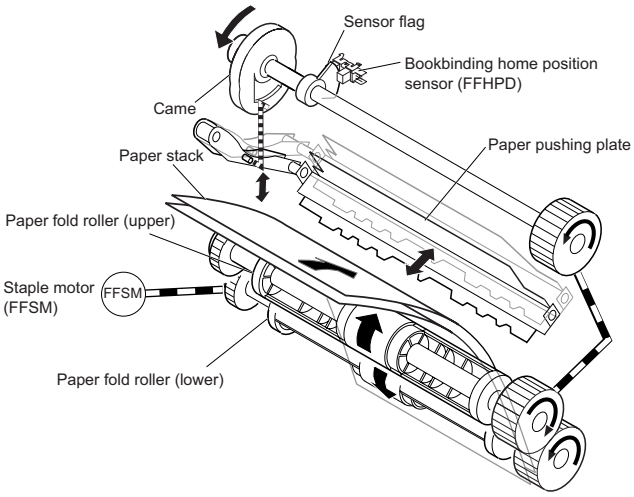
(2) Paper Folding

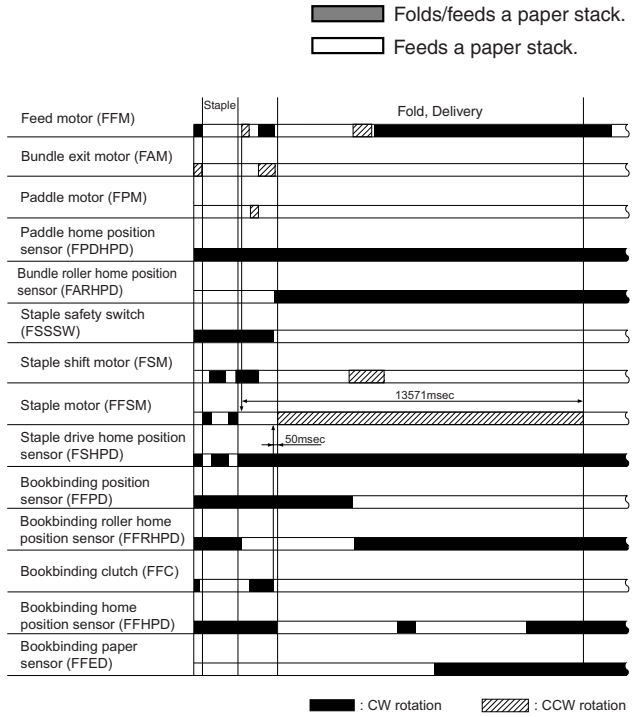
Paper is folded using paper fold rollers and a paper pushing plate.

Almost concurrently with the start of roller rotation, the paper pushing plate starts operating to push the paper stack into the gap between the paper fold rollers. When the paper stack is fed about 10 mm with the rotation of the paper fold rollers, the paper pushing plate returns to the home position. Then, the paper stack is delivered to the bind tray using the paper fold rollers and bind delivery rollers.

Half the entire surface of each paper fold roller is uncovered excluding the central area and the area at the left and right ends. The uncovered surface of the upper paper fold roller comes in touch with the uncovered surface of the lower paper fold roller only at the center and left and right ends, allowing a paper stack to be fed without causing creases. The other half of the upper paper fold roller that is covered comes in touch with the other half of the lower paper fold roller that is also covered, allowing a paper stack to be folded while being fed.







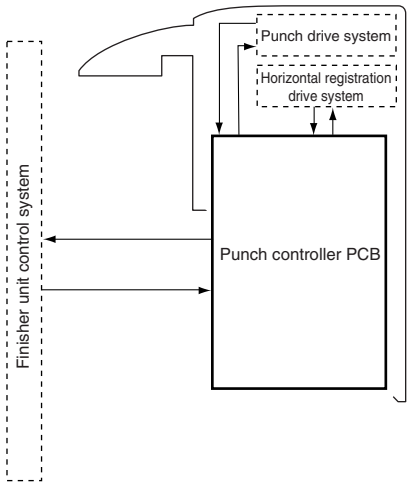
F. Punch Unit (AR-PN1A/B/C/D)

(1) Basic Operations

a. Outline

The punch unit is an option, and is designed for installation to the pickup assembly of the finisher.

The punch unit is not equipped with a paper feeding mechanism, and the sheets from the host machine move through the punch unit and then the feed system of the finisher. When the trailing edge of a sheet from the host machine reaches the punch unit, the sheet is stopped once, and the punch shaft is rotated to punch a hole along the trailing edge. These operations are controlled with various commands from the finisher controller PCB as well as the commands from the punch controller PCB.



(2) Punching Operation

a. Outline

The punch unit is located in the pickup assembly of the finisher, and is used to punch holes in sheets that have been sent from the host machine and stopped inside it. When the trailing edge of a sheet reaches the punch unit, the inlet roller of the finisher assembly stops the sheet to punch a hole along the trailing edge of the sheet.

The punch unit consists of a die and hole puncher (punch blade).

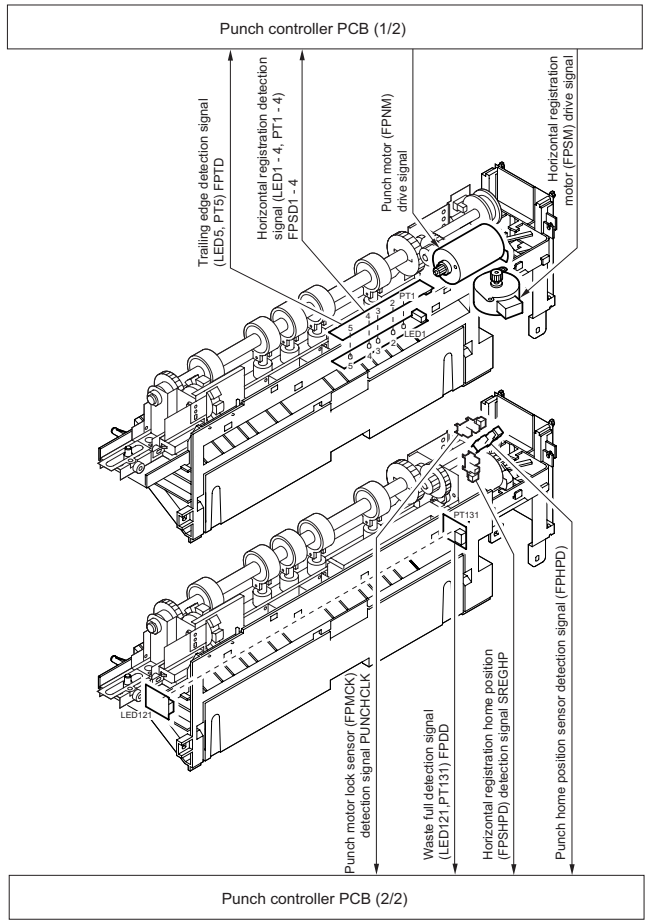
The hole puncher is driven by the punch motor (FPNM). It is attached to the eccentric cam of the punch shaft, and the rotation of the punch shaft is converted into reciprocating motion for punching operation.

The punch motor (FPNM) is a DC motor. The home position of the punch shaft is detected by the punch home position sensor (FPHPD). To make sure that the punch motor (FPNM), which is a DC motor, stops exactly at its home position, the punch motor (FPNM) is stopped in relation to the count of the clock pulses kept by the punch motor lock sensor (FPMCK). A single punching operation is executed by rotating the punch shaft 180° from its home position.

As many as five light-receiving transistors (photosensor PCB) are mounted over the inlet paper path of the punch unit; on the other hand, as many as five LEDs (LED PCB) are mounted under the path, together serving as five sensors. The frontmost sensor (LED5, PT5) is used as a trailing edge sensor (FPTD) to detect the training edge of sheets, and the remaining four (LED1 through LED4, PT1 through PT4) are used as horizontal registration sensors (FPSD1 through FPSD4) to detect the rear position of sheets when punching holes.

The punch motor (FPNM), punch unit, and sensors make up the punch slide unit, which moves to the front/rear to suit the selected paper size. The movement to the front/rear is driven by the punch horizontal registration motor (FPSM). The home position of the punch slide unit is detected by the punch horizontal registration home position sensor (FPSHPD), and the punch horizontal registration motor (FPSM) is a stepping motor.

The punch motor (FPNM) and punch horizontal registration motor (FPSM) are controlled with various commands from the finisher controller PCB as well as the commands from the punch controller PCB. The waste paper occurring as the result of punching is collected in the waste paper case. The case is monitored by the LED121 on the waste full LED PCB and PT131 on the waste full photosensor PCB (FPDD).


Punch controller PCB (1/2)
Trailing edge detection signal (LED5, PT5) FPTD
Horizontal registration detection signal (LED1 - 4, PT1 - 4) FPSD1 - 4
Punch motor (FPNM) drive signal
Horizontal registration motor (FPSM) drive signal
PT1
LED1
PT131
LED121
Punch motor lock sensor (FPMCK) detection signal PUNCHCLK
Waste full detection signal (LED121,PT131) FPDD
Horizontal registration home position (FPSHPD) detection signal SREGHP
Punch home position sensor detection signal (FPHPD)
Punch controller PCB (2/2)

b. Punching Operation

The hole puncher is driven by the punch motor (FPNM). The home position for the hole puncher is detected by the punch home position sensor (FPHPD).

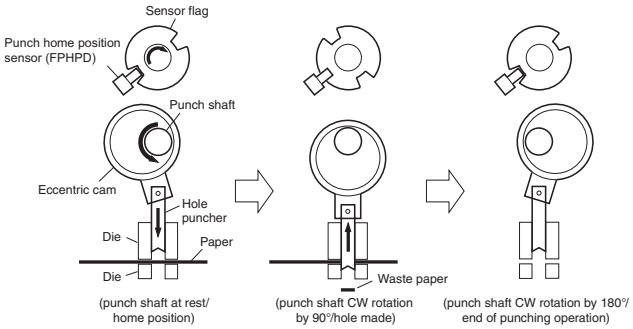
The punch unit comes in four types, selected to suit the country of installation: 2-hole (Punch Unit-J1), 2- and 3-hole (Punch Unit-K1), or two types of 4-hole (Punch Unit-G1, Punch Unit-H1).

The 2-hole and 4-hole types punch a hole when the punch shaft is rotated 180° from the home position, causing the punch to make a single round trip. The 2-/3-hole type punches a hole, but the circumference of the punch shaft is divided into two (half for 2-hole and the other half for 3-hole).

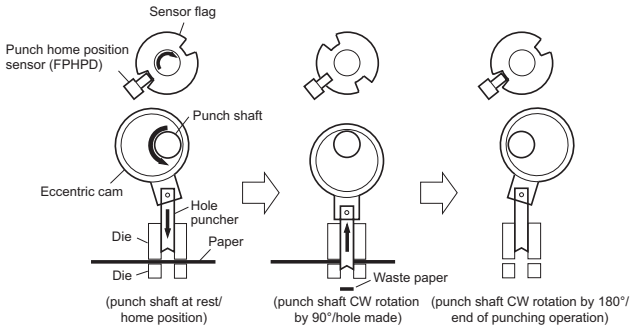
1) 2-Hole, 4-Hole Type

The home position is identified when the punch home position sensor (FPHPD) is ON. The punching operation for the first sheet ends when the punch shaft has rotated 180° and the punch home position sensor (FPHPD) goes ON; the punching operation for the second sheet ends when the punch shaft has rotated 180° in reverse and the punch home position sensor (FPHPD) goes ON.

<1> A hole is punched along the trailing edge of the 1st sheet.



<2> A hole is made along the trailing edge of the 2nd sheet.



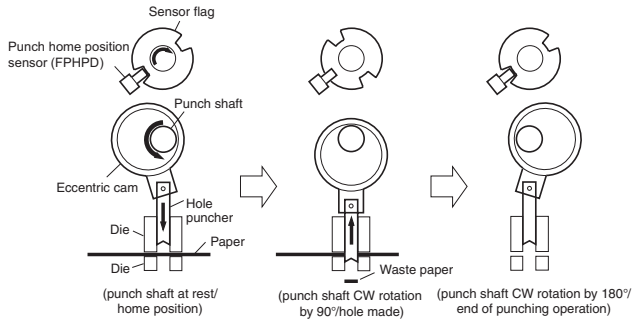
2) 2-/3-Hole Type

The home position is identified when the punch home position sensor (FPHPD) is ON. To make two holes, the punching operation for the first sheet ends when the punch shaft rotates 180° (half circumference) and the punch home position sensor (FPHPD) goes ON. At this time, the 3-hole puncher makes a single round trip in escape direction (moving up the hole puncher) on a half circumference of the punch shaft. The punching operation for the second sheet ends when the punch shaft has rotated 180° counterclockwise and the punch home position sensor (FPHPD) goes ON (half circumference).

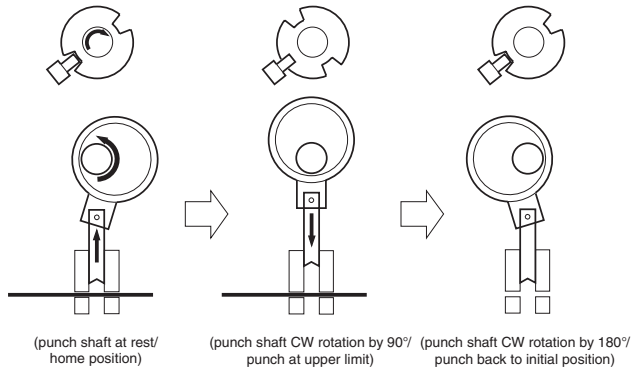
At this time, the 3-hole puncher makes a single round trip in escape direction (moving up the hole puncher) on the other half circumference of the punch shaft.

The punching operation takes place as follows when making two holes in two sheets of paper:

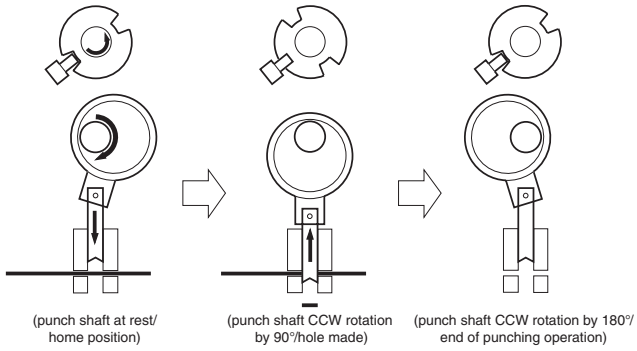
<1> A hole is made along the trailing edge of the 1st sheet.



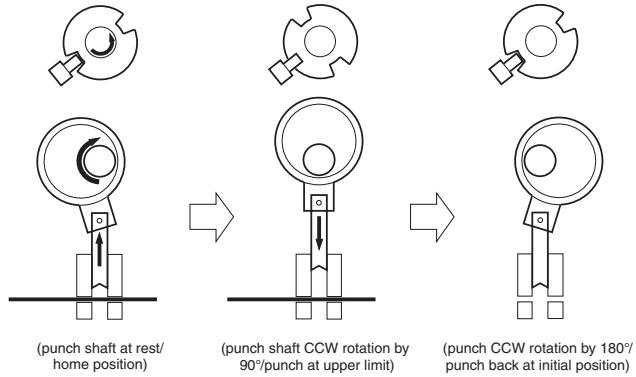
While two holes are being made, the 3-hole puncher makes a single round trip in escape direction.


(punch shaft at rest/ home position)
(punch shaft CW rotation by 90°/ punch at upper limit)
(punch shaft CW rotation by 180°/ punch back to initial position)

<2> Holes are made along the trailing edge of the 2nd sheet.


(punch shaft at rest/ home position)
(punch shaft CCW rotation by 90°/hole made)
(punch shaft CCW rotation by 180°/ end of punching operation)

While two hole are being made, the 3-hole puncher makes a single round trip in escape direction (moving up the hole puncher).

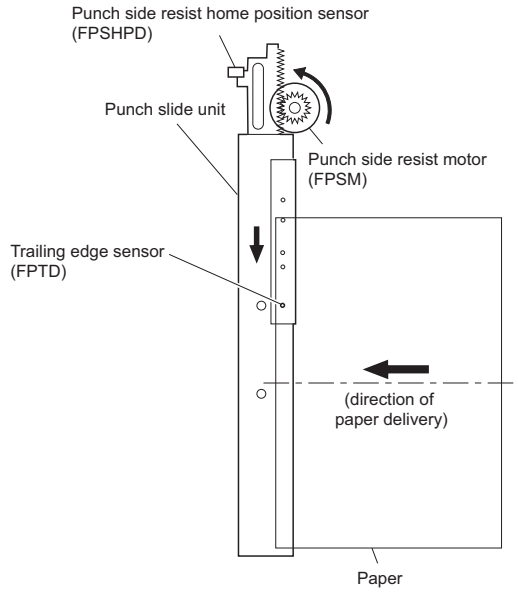

(punch shaft at rest/ home position)
(punch shaft CCW rotation by 90°/punch at upper limit)
(punch CCW rotation by 180°/ punch back at initial position)

(3) Horizontal Registration Operation

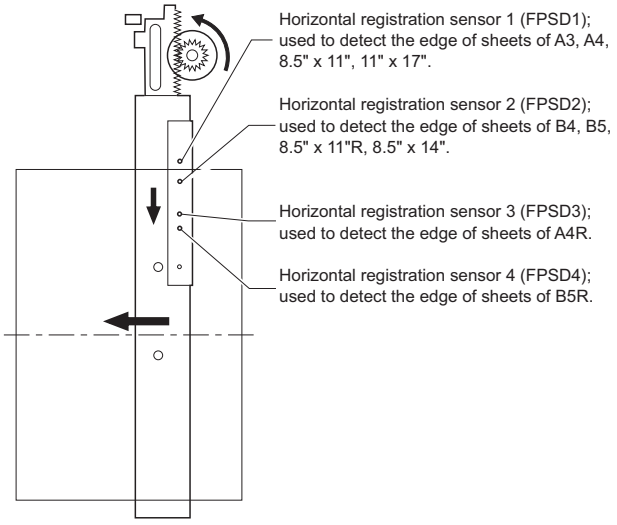
The horizontal registration drive for the punch slide unit is provided by the punch horizontal registration motor (FPSM). The home position of the punch slide unit is detected by the punch horizontal registration home position sensor (FPSHPD). The punch slide unit detects the trailing edge of sheets using the trailing edge sensor (FPTD) and the horizontal registration sensors (FPSD1 through 4), and causes a move to a specific position matching the trailing edge of each sheet (in relation to the size of the sheet).

The horizontal registration operation takes place as follows:

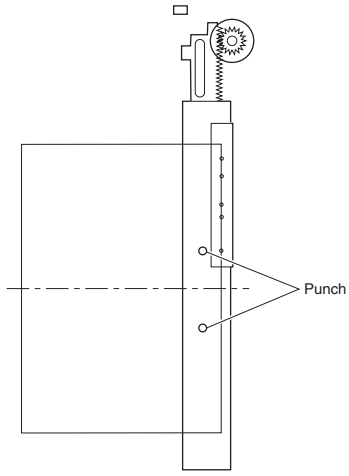
1) When the leading edge of a sheet from the host machine is detected by the trailing edge sensor (FPTD), the punch horizontal registration motor (FPSM) starts to move the punch slide unit toward the front.


Punch side resist home position sensor (FPSHPD)
Punch slide unit
Punch side resist motor (FPSM)
Trailing edge sensor (FPTD)
(direction of paper delivery)
Paper

2) When the horizontal registration sensor (FPSD1 through 4) suited to the paper size signal from the host machine detects the rear edge of the sheet, the punch horizontal registration motor (FPSM) causes a farther move to a specific position, and stops the punch slide unit.

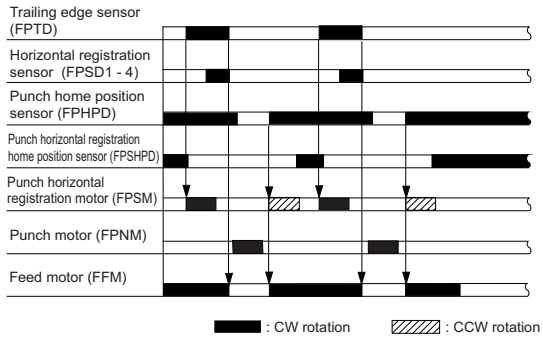

Horizontal registration sensor 1 (FPSD1); used to detect the edge of sheets of A3, A4, 8.5" x 11", 11" x 17".
Horizontal registration sensor 2 (FPSD2); used to detect the edge of sheets of B4, B5, 8.5" x 11"R, 8.5" x 14".
Horizontal registration sensor 3 (FPSD3); used to detect the edge of sheets of A4R.
Horizontal registration sensor 4 (FPSD4); used to detect the edge of sheets of B5R.

3) When the trailing edge sensor (FPTD) detects the trailing edge of the sheet, the drive of the feed motor (FFM) is stopped, thereby stopping the sheet. Then, the punch motor (FPNM) is driven to punch holes in the sheet.



4) When the punching operation ends, the feed motor (FFM) of the fisher unit is driven and, at the same time, the punch horizontal registration motor (FPSM) is rotated in reverse to return the punch slide unit to its home position.

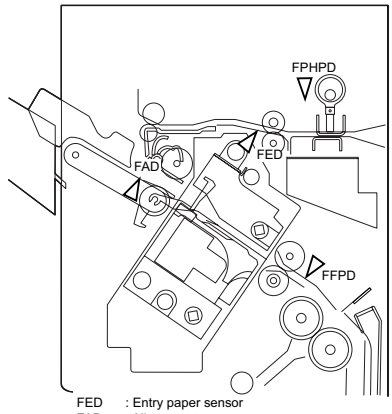
5) For each sheet that arrives in succession, the punch slide unit is returned to its home position, and is caused to repeat steps 1 through 4.


Trailing edge sensor (FPTD)
Horizontal registration sensor (FPSD1 - 4)
Punch home position sensor (FPHPD)
Punch horizontal registration home position sensor (FPSHPD)
Punch horizontal registration motor (FPSM)
Punch motor (FPNM)
Feed motor (FFM)
: CW rotation
: CCW rotation

G. Detecting Jams

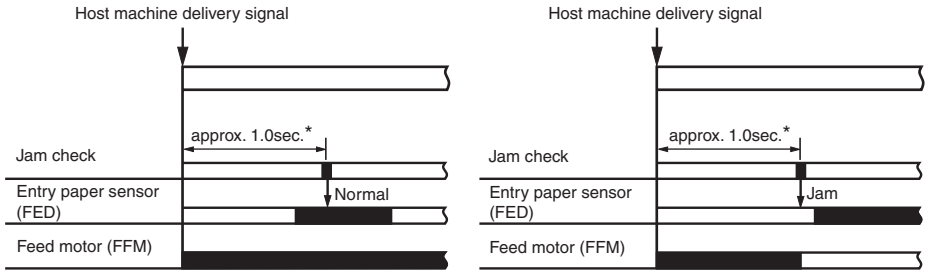
(1) Outline

The microprocessor (CPU) on the finisher controller PCB is programmed to check for jams in the finisher/saddle/puncher (option) at such times as set in advance. It identifies a jam in reference to the presence/absence of paper at a specific sensor. If a jam is found, the finisher controller PCB communicates the nature of the jam to the host machine in the form of a code(which may be checked in service mode of the host machine).



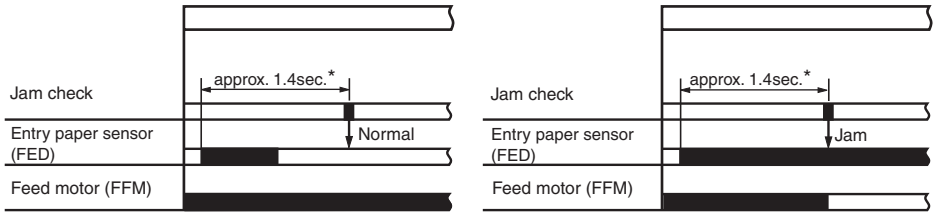
FED : Entry paper sensor
FAD : Alignment tray sensor
FFPD : Bookbinding position sensor
FPHPD : Punch home position sensor

a. Inlet Paper Sensor (FED) Delay Jam



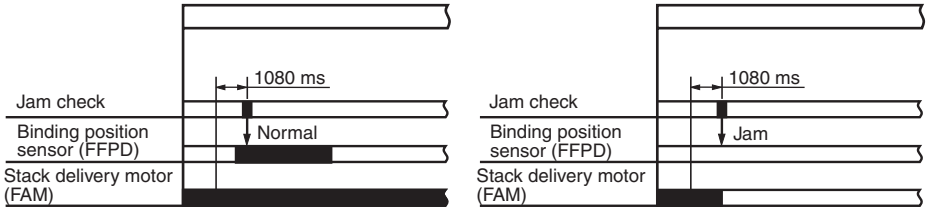
* Variable depending on the paper size. (Because the paper feed speed may differ according to the paper size. (A4:1.0 sec.))

b. Inlet Paper Sensor (FED) Stationary Jam

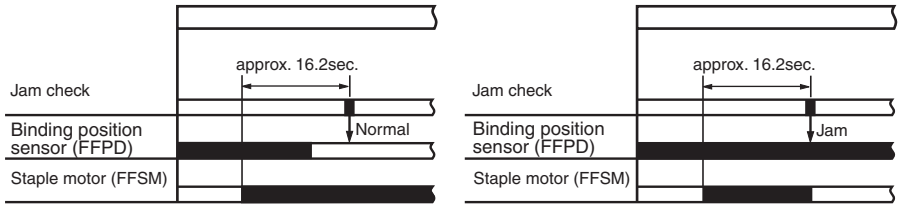


* Variable depending on the paper size. (Because the paper feed speed may differ according to the paper size. (A4:1.4 sec.))

c. Binding Position Sensor (FFPD) Delay Jam



d. Binding Position Sensor (FFPD) Stationary Jam



e. Power-On Jam

Paper is detected inside the finisher at power-on or when the door is closed.

f. Door Open Jam

The finisher is disconnected from its host machine or the front door, or the upper cover is opened while the system is in operation (paper on the move).

g. Staple Jam

The staple drive home position sensor (FSHPD) does not go OFF 600 msec after the stapler is driven. Or, it does not return to its home position (where the sensor goes ON).

H. Power Supply System

(1) Finisher/Saddle Assembly

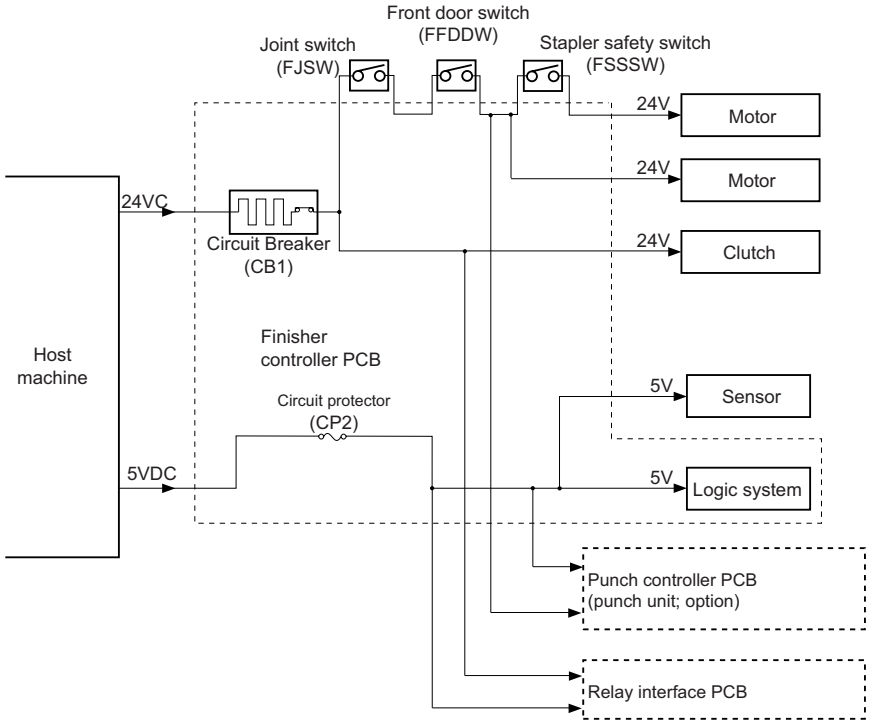
a. Outline

When the host machine is turned on, it supplies the finisher controller PCB with 24VDC and 5VDC. 24VDC is for the motors and clutches. 24VDC and 5VDC are also supplied as a relay pass drive, 5VDC is used to drive sensors and ICs on PCBs.

If a punch unit (option) is installed, power is also supplied to the punch controller PCB.

Some of 24 VDC used to drive motors is cut off when the joint switch (FJSW), front door switch (FFDDW), or stapler safety switch (FSSSW) is open.

The block diagram of the power supply system is below.



b. Protective Mechanisms

A circuit breaker (CB1) is monitored to protect the 24 VDC system used to drive the motors against overcurrent. The 24-V system used to drive the feed motor (FFM), paddle motor (FPM), and stack delivery motor (FAM) is equipped with a fuse which melts in the presence of overcurrent.

(2) Punch Unit (option)

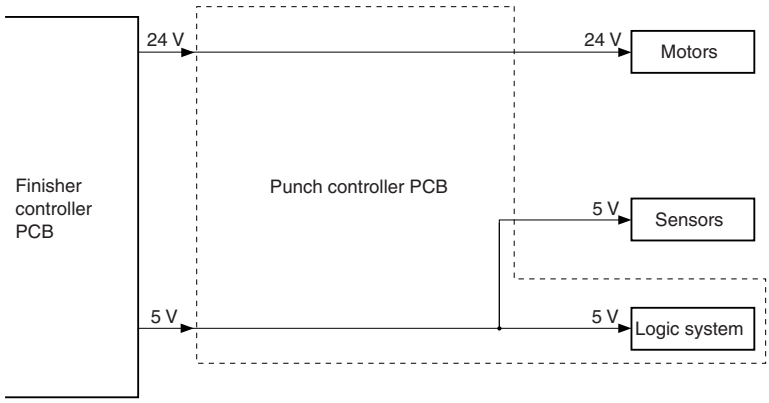
a. Outline

When the host machine is turned on, the punch unit is supplied by the finisher controller PCB with 24-V and 5-V power.

The 24-V power is used to drive the motors, while the 5-V power is used by sensors and the ICs on the punch controller PCB.

The 24-V power to the motors will be cut off when the joint switch (FJSW) or the front door switch (FFDDW) of the finisher unit is open.

The following is a block diagram for the power supply system:

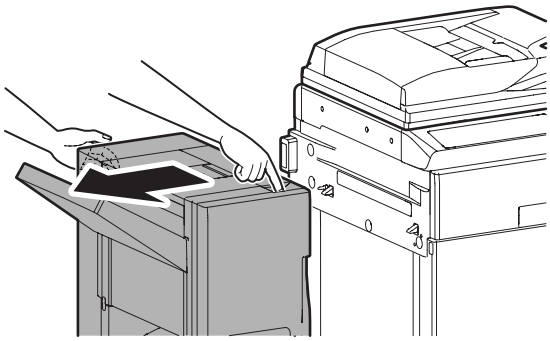


b. Protective Mechanisms

The 24-V system used to drive the punch motor (FPNM) and the punch horizontal registration motor (FPSM) is equipped with a built-in fuse which melts in the presence of overcurrent.

[6] DISASSEMBLY AND ASSEMBLY

1) Turn off the host machine, disconnect the saddle stitch finisher connctor.
2) Free the lock, and remove the saddle stitch finisher from the host machine.

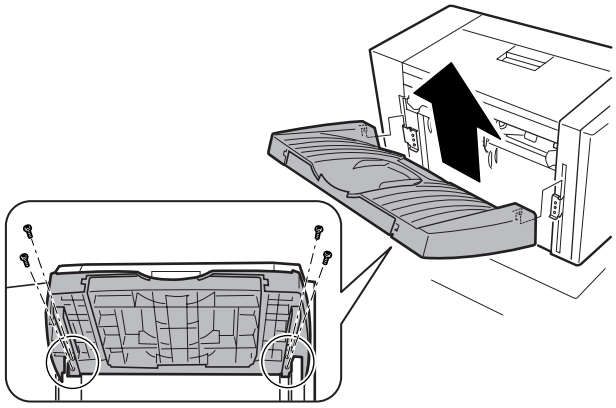


1. Saddle stitch finiser (MX-FNX2)

A. Externals and Controls

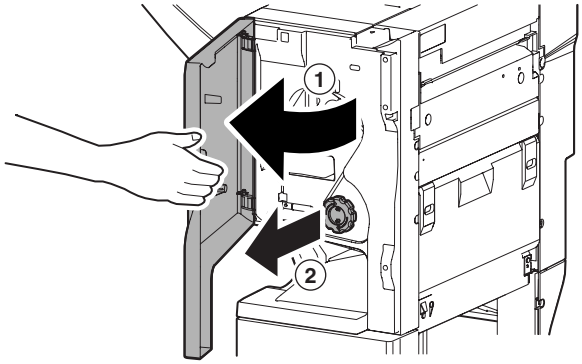
(1) Delivery tray

1) Remove the delivery tray.

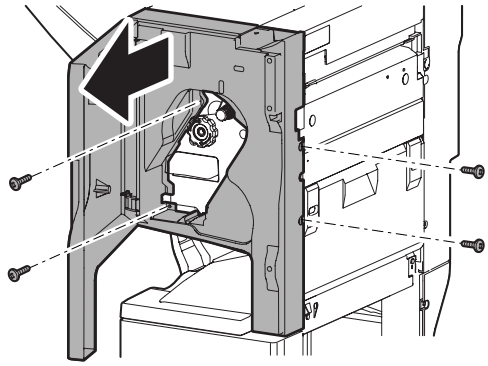


(2) Front Cover

1) Open the front door, and remove the knob.

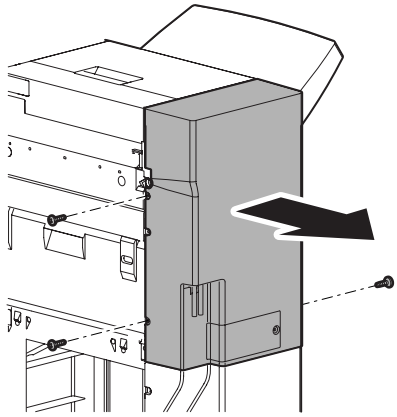


2) Remove the front cover.



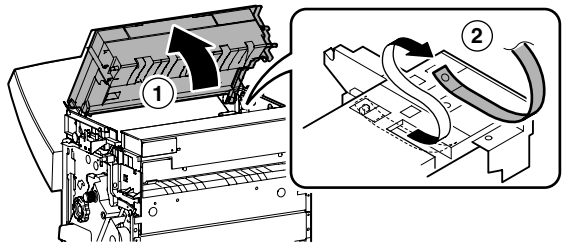
(3) Rear Cover

1) Remove the rear cover.

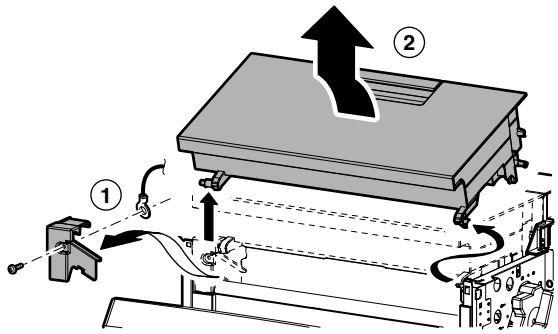


(4) Upper Cover

1) Remove the front cover. (See (2).)
2) Remove the rear cover. (See (3).)
3) Open the upper cover, and remove the cover band.

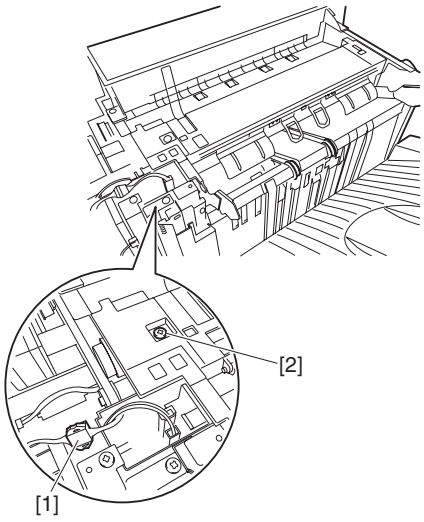


4) Detach the processing cover, and remove the upper cover.

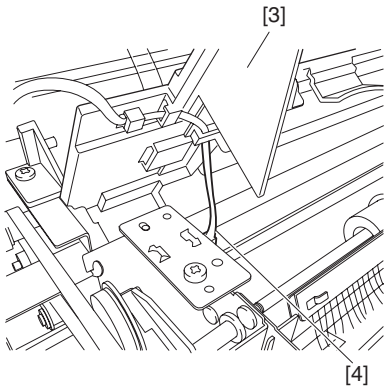


(5) Processing Tray Upper Cover

1) Remove the front cover. (See (2).)
2) Remove the rear cover. (See (3).)
3) Remove the upper cover. (See (4).)
4) Disconnect the connector [1] and remove the screw [2].

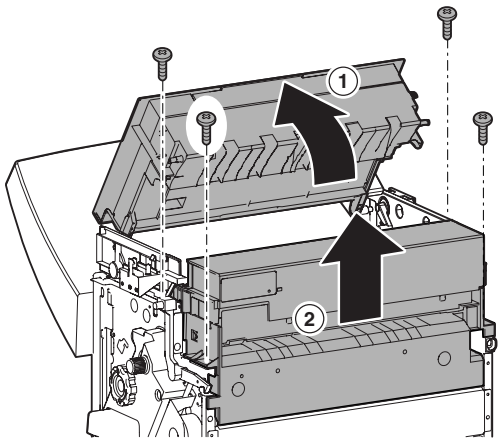


5) While lifting the processing tray cover [3], disconnect the connector [4], then remove the processing tray upper cover [3].



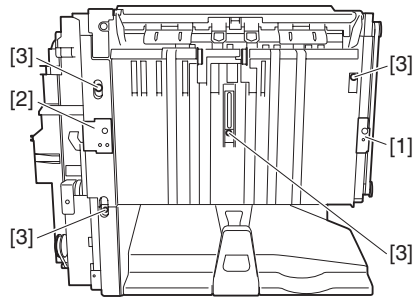
(6) Upper Right Cover, Middle Right Cover

1) Remove the front cover. (See (2).)
2) Remove the rear cover. (See (3).)
3) Open the upper cover, then remove the upper right cover and the middle right cover.

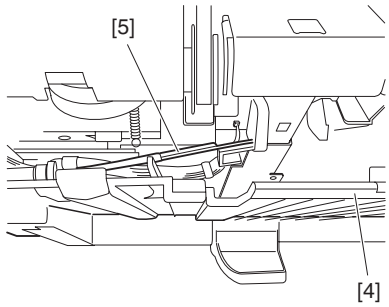


(7) Removing the Saddle Guide

1) Remove the delivery tray. (See (1).)
2) Remove the front cover. (See (2).)
3) Remove the rear cover. (See (3).)
4) Free the delivery tray support plate (front) [1] and the delivery tray support plate (rear) [2] to the outside from the rail grooves.
5) Remove the four screws [3].

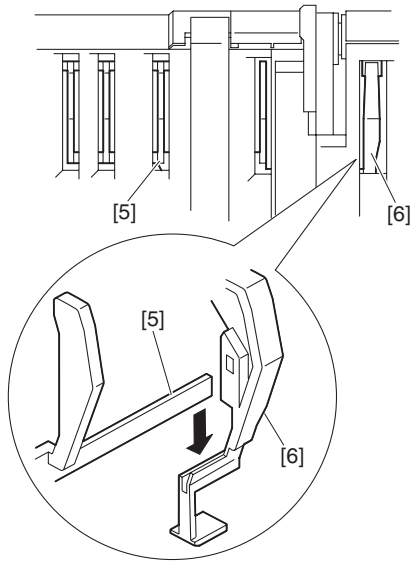


6) Shift the side guide [4] lightly to the front, and free the engagement of the paper surface detecting lever (rear) [5]; then, detach the side guide [4].



NOTE: Be sure to mount the side guide after securely fitting the paper surface detecting lever (rear) [5] in the groove of the paper surface detecting lever (middle) [6].

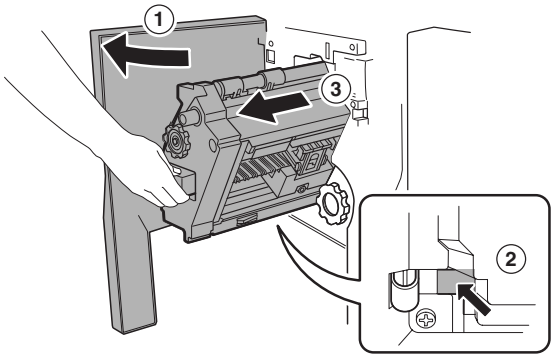
After completion of mounting, push the paper surface detecting lever several times to make sure that side guide is mounted securely.



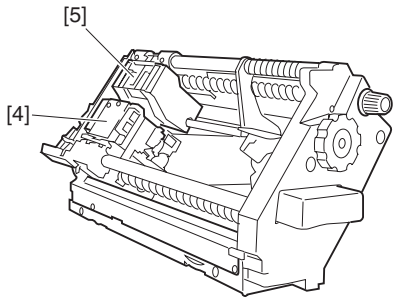
B. Feeding System

(1) Removing the Stapler Unit

1) Open the front door.
2) Slide out the stapler unit while pressing the stopper.

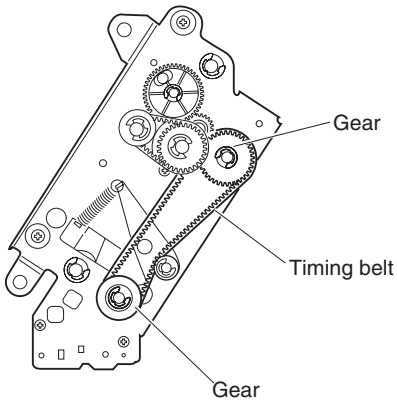


NOTE: Do not remove the stapler stapler frame shaft. If removed, the position where the staple driver (lower unit of the stapler) [4] shoots stables will shift from the position where the staple clincher (upper unit of the stapler) [5] receives staples.

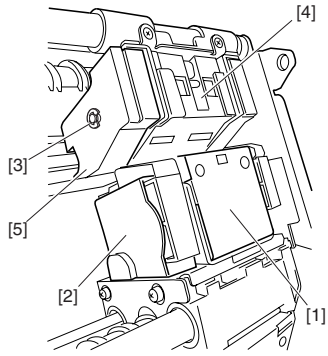


(2) Adjusting the Stapler Phase

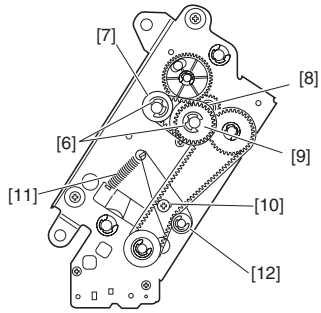
When the gears or timing belt at the front of the stapler is replaced or removed for some reason, the staple shooting timing of the (lower unit of the stapler) does not match the staple bending timing of the staple clincher (upper unit of the stapler). Adjust the stapler phase following the procedure described below.



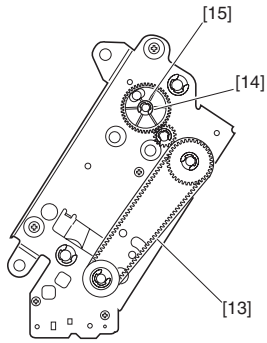
1) Detach the gear cover [2] from the staple driver [1].
2) Remove the E-ring [3] to detach the side cover [5] of the staple clincher [4].



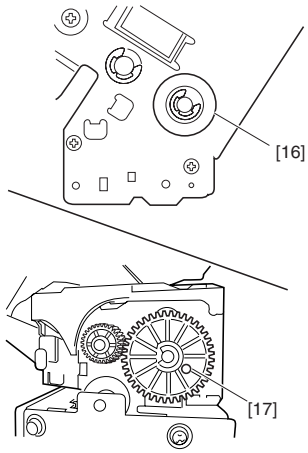
3) Remove the two E-rings [6] to remove the staple jam releasing gear [7], timing belt [8], and relay gear 1 [9]. Remove the spacer and spring at the back of the staple jam releasing gear.
4) Remove the screw [10] and spring [11] to remove the belt tensioner [12].



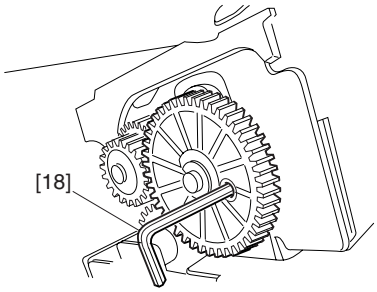
5) Remove the timing belt [13].
6) Remove the E-ring [14] to remove the staple position check gear [15].



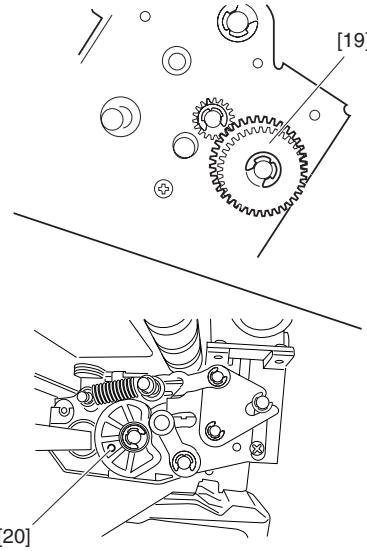
7) Turn the gear [16] to align the round hole in the staple driver gear with the round hole [17] at the back.



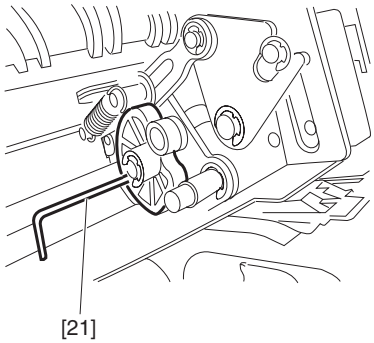
8) Insert a pin [18] with a diameter of approximately 2 mm (use of a 2 mm Allen wrench is recommended) in the round hole to secure the gear.



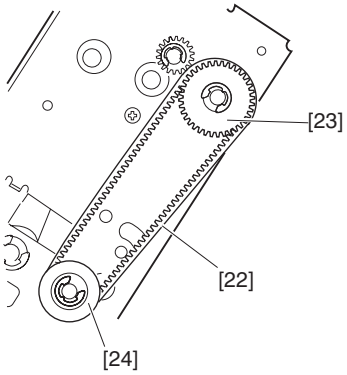
9) Turn the gear [19] to align the round hole in the staple clincher cam with the round hole [20] at the back.



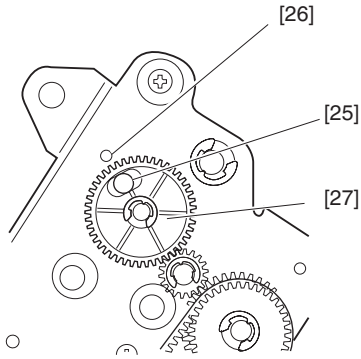
10) Insert a pin [21] with a diameter of approximately 2 mm (use of a 2 mm Allen wrench is recommended) in the round hole to secure the gear.



11) With the gears and cam fixed, install the timing belt [22] on gears [23] and [24].



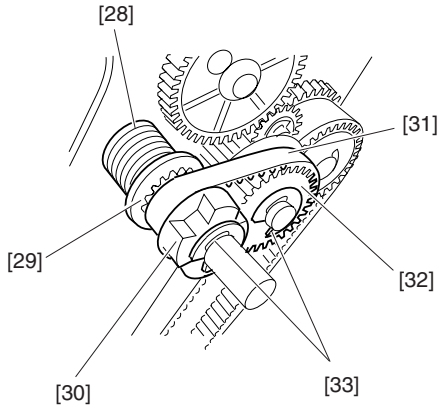
12) Mount the staple position check gear [27] so that the blue mark [25] on the staple position check gear is aligned with the round hole [26] in the frame.



The position where the blue mark is aligned with the round hole is the home position for stapling. If the staple jam cancel dial is turned for some reason, the home position deviates, making it impossible to remove the stapler cartridge. If such a case, the gear can be returned to the home position by checking blue mark position. Therefore, it is necessary to mount the gear at the correct position.

13) Remove the pin securing the gear to the cam.

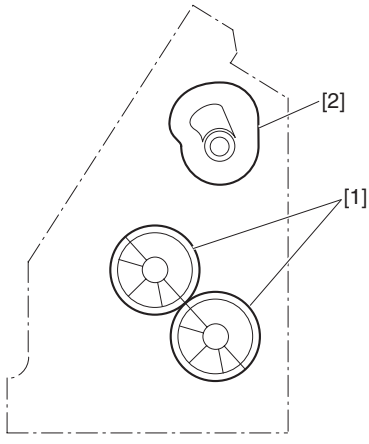
14) Assemble the spring [28], spacer [29], staple jam releasing gear [30], timing belt [31], and relay gear [32] and secure them with the E-ring [33].



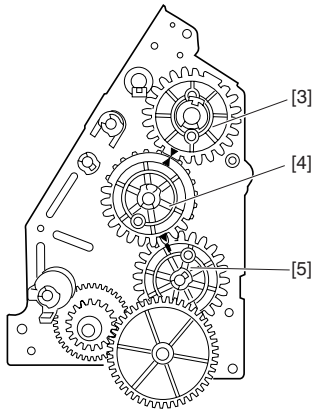
(3) Adjusting the Phase of the Gear in the Saddle Unit

If the gears at the front of the saddle unit or the paper fold rollers in the sale unit are replaced or removed for some reason, adjust the gear phase following the procedure described below.

1) The paper fold rollers [1] and saddle cam [2] must be positioned as shown below.

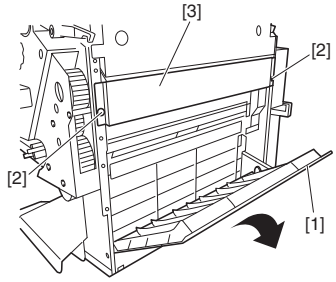


2) With the paper fold rollers and saddle cam positioned as shown, mount gears as shown below.
   - Align the ▲ mark (either of two ▲ marks) on the saddle cam drive gear [3] with the ▲ mark on the relay gear [4] (on the half of the periphery where gears with a smaller face width are arranged).
   - With the ▲ mark on the saddle cam drive gear [3] aligned with the ▲ mark on the relay gear [4], align the other ▲ mark on the relay gear withy the rib of the paper folding roller drive gear [5].

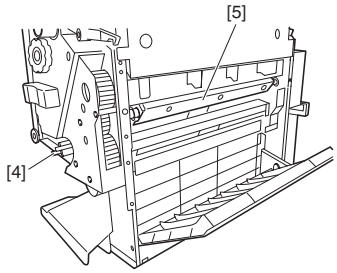


(4) Saddle Unit

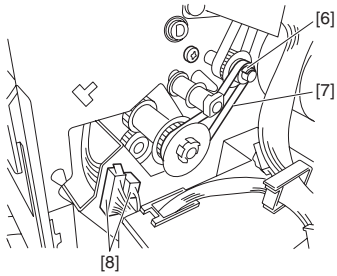
1) Remove the front cover. (See A.(2).)
2) Remove the rear cover. (See A.(3).)
3) Open the jam removal cover [1]; then, remove the two screws [2] and the right stay [3].



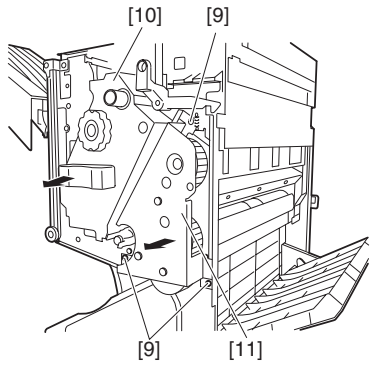
4) Turn the fold jam releasing dial assembly [4] to move the paper retaining plate assembly [5] to the inside.



5) Remove the stop ring [6], and detach the timing belt [7].
6) Disconnect the two connectors [8].

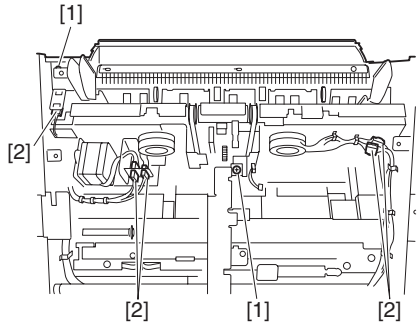


7) Remove the three screws [9], and slide out the stapler unit [10] slightly to the front.
8) Slide out the saddle unit [11] to the front.

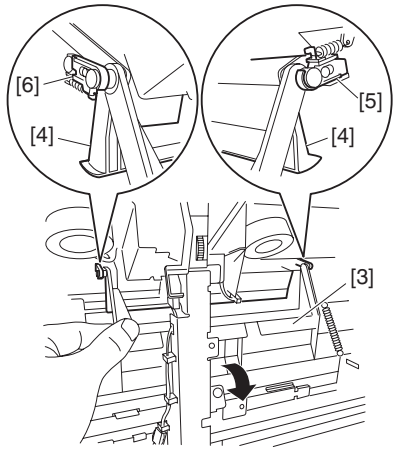


(5) Processing Tray Assembly

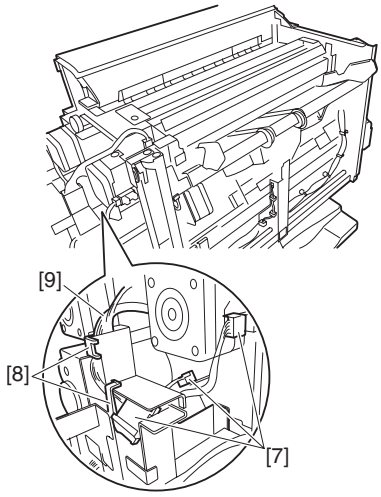
1) Remove the processing tray upper cover. (See A.(5).)
2) Remove the side guide. (See A.(7).)
3) Remove the two screws [1], and disconnect the five connectors [2].



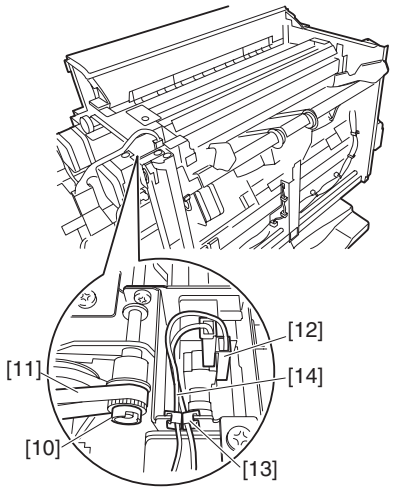
4) Pull the processing stopper base [3] to the front, and free the claw [5] at the front and the claw [6] at the rear of the processing stopper [4].



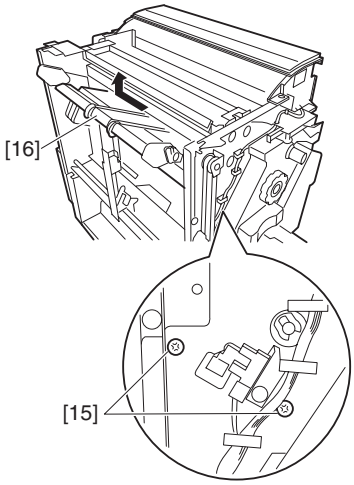
5) Disconnect the three connectors [7].
6) Release the two claws [8] of the harness retainer, and detach the motor harness [9].



7) Remove the stop ring [10], and detach the timing belt [11].
8) Disconnect the connector [12], and free the harness [14] from the edge saddle [13].

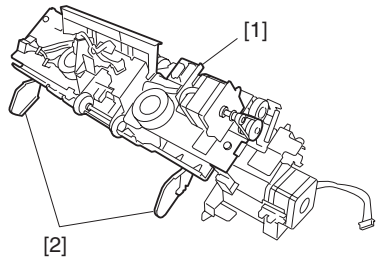


9) Remove the two screws [15], and slide the processing tray assembly [16] to the rear; then lift it to detach.

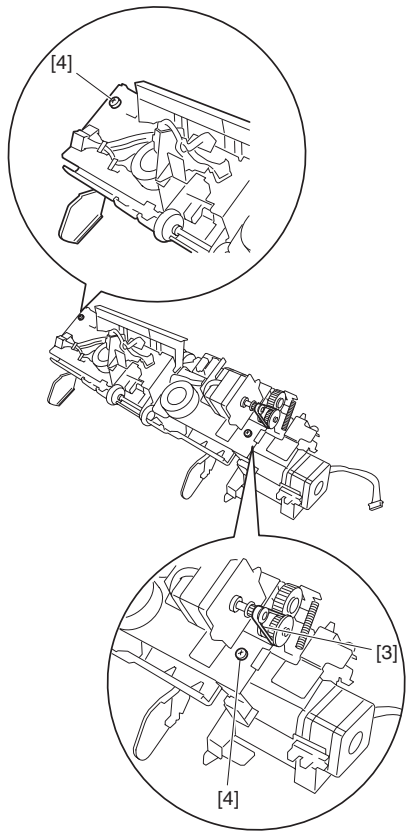


(6) Paddle Assembly

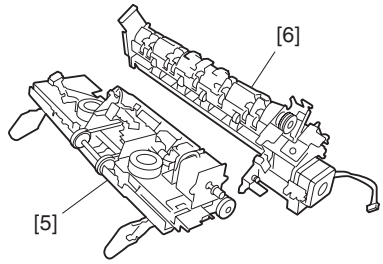
1) Remove the processing tray assembly. (See B.(3).)
2) Place the processing tray assembly [1] as shown.
NOTE: Be sure to take care not to damage the aligning plate [2].



3) Detach the timing belt [3], and remove the two screws [4].

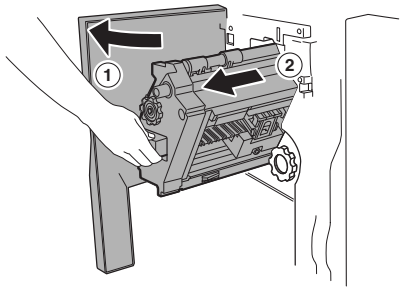


4) Separate the processing tray assembly [5] and the paddle assembly [6] as shown.

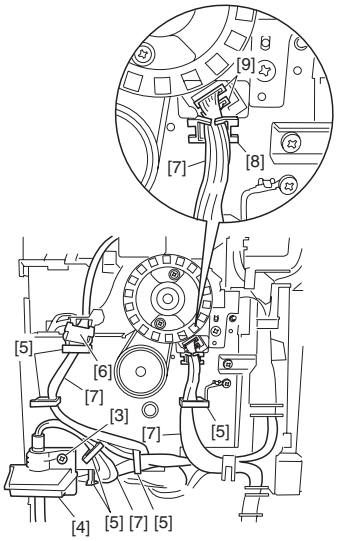


(7) Staple/Fold Drive Unit

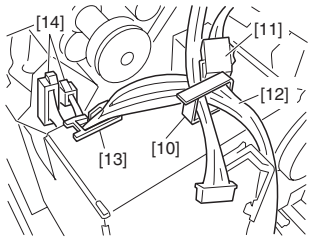
1) Open the front door, and slide out the stapler unit slightly to the front.



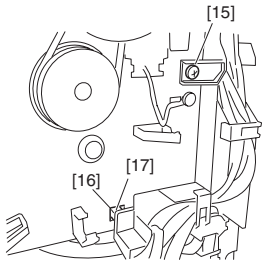
2) Remove the screw [3], and detach the interface retainer [4].
3) Free the six harness retainers [5], and disconnect the connector [6].
4) Free the harness [7] from the harness retainer [5].
5) Free the harness [7] from the edge saddle [8]; then, disconnect the two connectors [9].



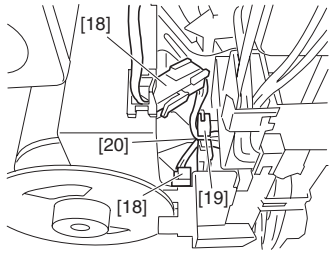
6) Release the harness retainer [10], and disconnect the connector [11].
7) Free the harness [12] from the harness retainer [10].
8) Free the harness [12] for the edge saddle [13]; and disconnect the two connectors [14].



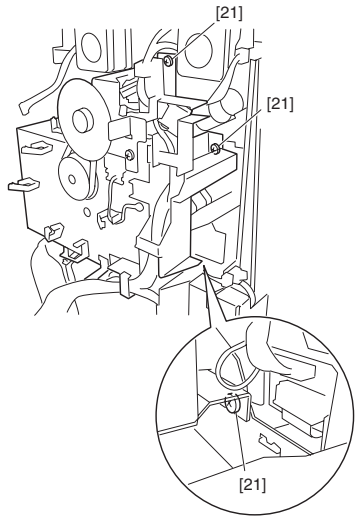
9) Remove the screw [15], and free the claw [17] of the harness guide from the long angle [16] of the base plate.



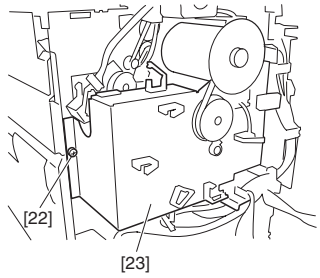
10) Disconnect the two connectors [18], and free the harness [20] from the edge saddle [19].



11) Remove the three screws [21].

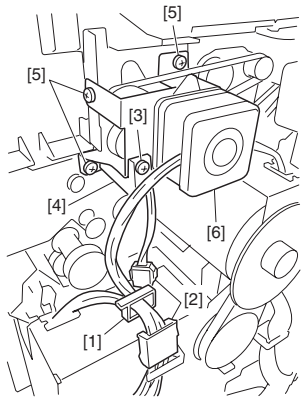


12) Remove the screw [22], and detach the staple/fold drive unit [23].



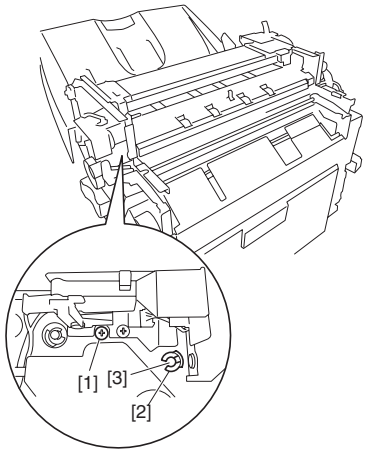
(8) Feed Motor Unit

1) Remove the rear cover. (See A.(3).)
2) Open the harness retainer [1], and disconnect the two connectors [2].
3) Remove the screw [3], and detach the harness guide [4].
4) Remove the three screws [5], and detach the feed motor unit [6].

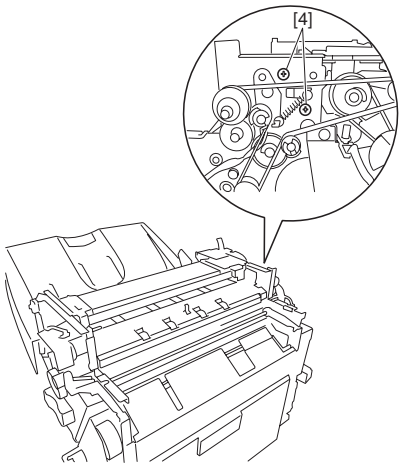


(9) Feed Roller

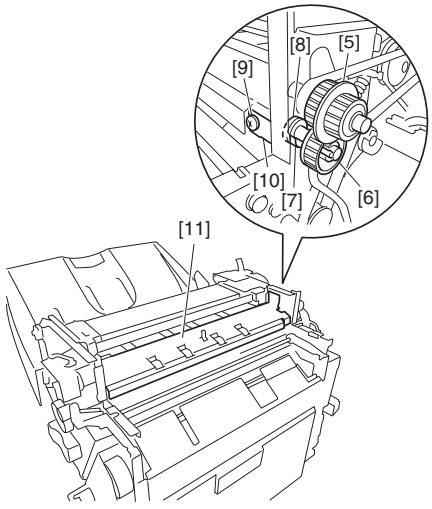
1) Remove the upper cover. (See A.(4).)
2) Remove the upper right cover assembly. (See A.(6).)
3) Remove the feed motor unit. (See B.(6).)
4) Remove the screw [1].
5) Remove the stop ring [2], and detach the bushing [3].



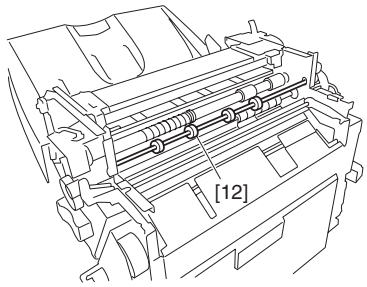
6) Remove the two screws [4].



7) Remove the gear [5], and detach the gear [6] while spreading the claw.
8) Remove the stop ring [7], and detach the bushing [8].
9) Remove the screw [9], and detach the inlet sensor [10].
10) Remove the lower paper guide [11].

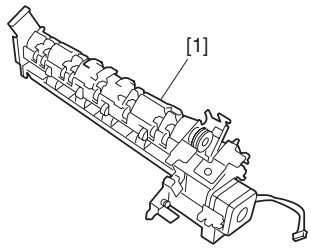


11) Remove the feed roller [12].

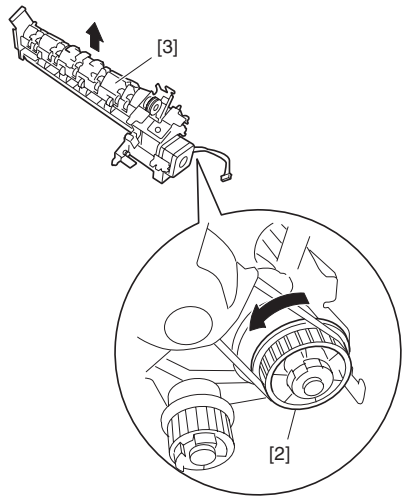


(10) Stack Delivery Roller (Upper)

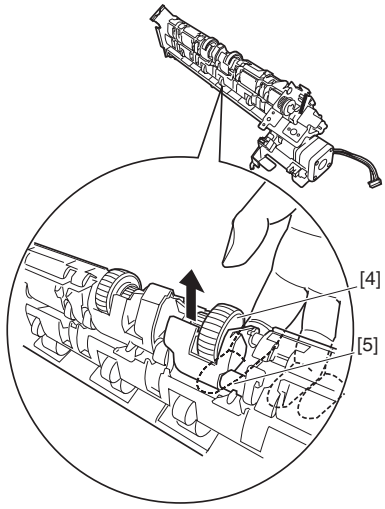
1) Remove the paddle assembly. (See B.(4).)
2) Place the paddle assembly [1] as shown.



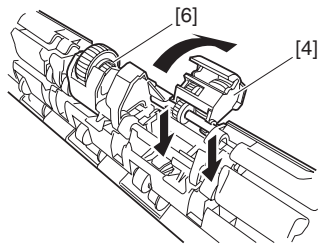
3) Turn the gear [2] in the direction of the arrow to move up the stack delivery roller assembly (upper) [3].



4) Push up the stack delivery roller (upper) [4] from below to free the stack deliver roller (upper) [4] from the shaft [5].

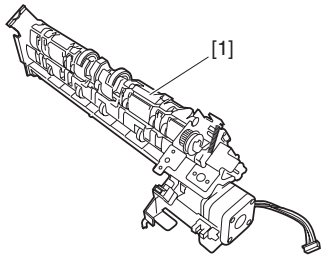


5) Shift up the stack delivery roller (upper) [4], and then push it down to detach the stack deliver roller (upper) [4].
6) Likewise, remove the stack delivery roller (upper) [6] at the front.

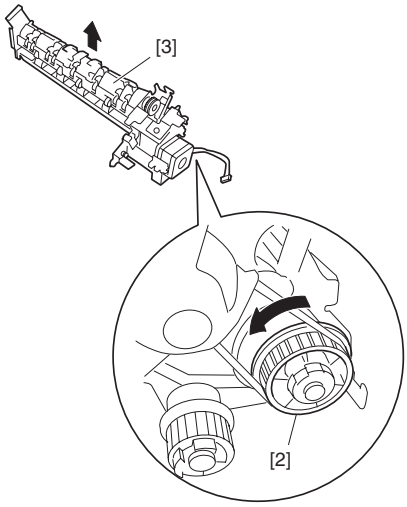


(11) Paddle

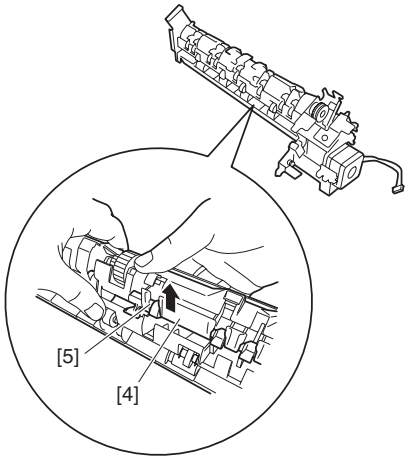
1) Remove the paddle assembly. (See B.(4).)
2) Place the paddle assembly [1] as shown.



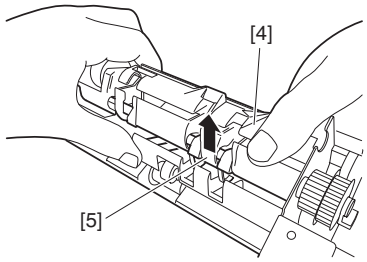
3) Turn the gear [2] in the direction of the arrow to move up the stack delivery roller assembly (upper) [3].



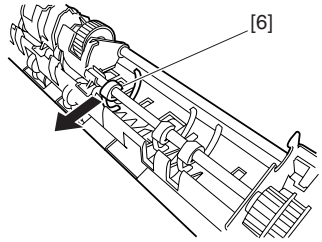
4) Push up the safety guide [4] from below to free one side of the safety guide [4] from the shaft [5].



5) Push up the safety guide [4] from below to free the safety guide [4] from the shaft [5].

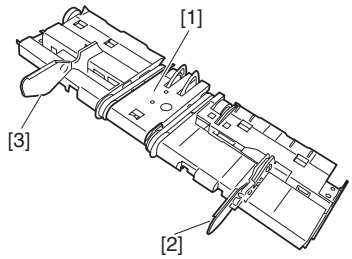


6) Remove the paddle [6] in the direction of the arrow.
7) Likewise, remove the other paddle.

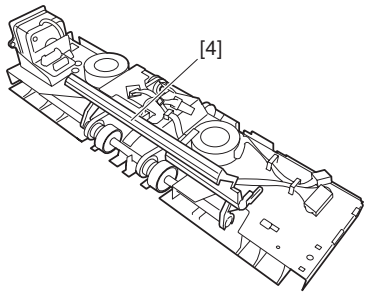


(12) Stack Delivery Roller (Lower)/Delivery Belt

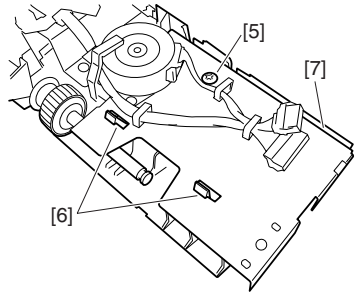
1) Remove paddle assembly, and separate it from the processing tray assembly. (See B.(4).)
2) Slide the aligning plate (front) [2] and the aligning plate (rear) [3] of the processing tray assembly [1] by sliding them to the outside.



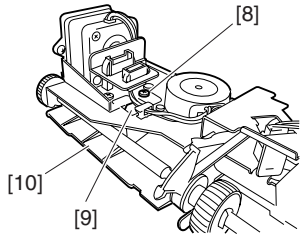
3) Remove the processing tray stopper [4].



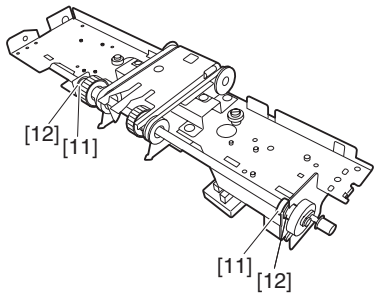
4) Remove the screw [5], and detach the paper guide (front) [7] while freeing the two claws [6].



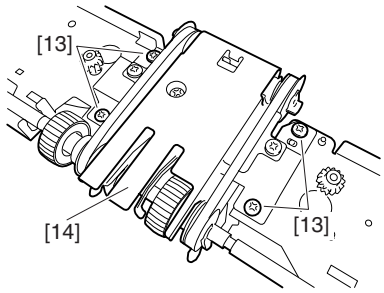
5) Remove the screw [8]; then, while freeing the claw [9], detach the paper guide (rear) [10].



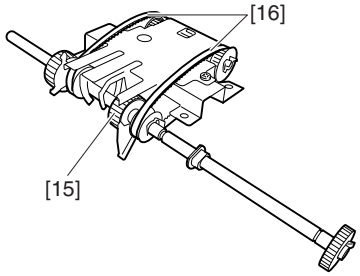
6) Remove the two stop rings [11]; then, move the two bushings [12] to the inside.



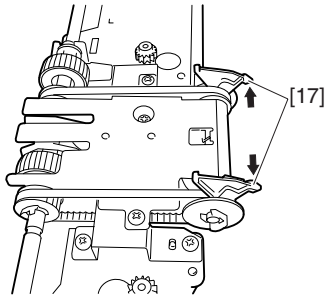
7) Remove the four screws [13]; then, lift the stack delivery roller assembly (lower) [14] to detach.



8) Remove the stack delivery roller (lower) [15] and the two delivery belts [16].



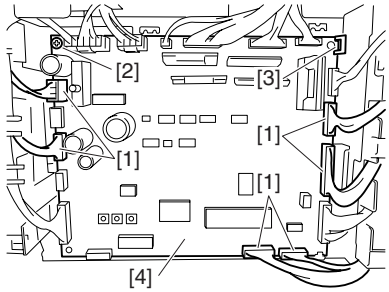
NOTE: Be sure to mount them so that the edges [17] of the claws of the delivery belts are flush.



C. PCBs

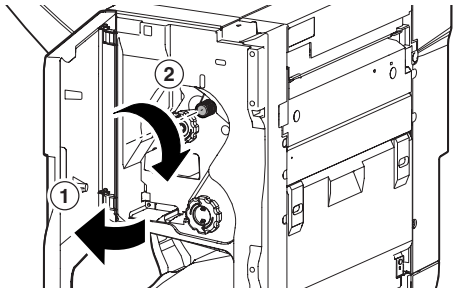
(1) Finisher Controller PCB

1) Remove the rear cover. (See A.(3).)
2) Disconnect the 17 connectors [1], and remove the screw [2].
3) Free the PCB retainer [3], and detach the finisher controller PCB [4].

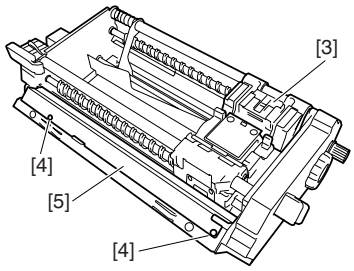


(2) Slide Home Position PCB

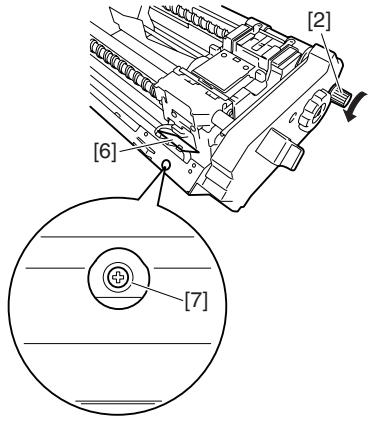
1) Open the front door, and turn the tab [2] on the stapler slide in the direction of the arrow to slide the stapler to the frontmost point.
2) Remove the stapler unit. (See B.(1).)



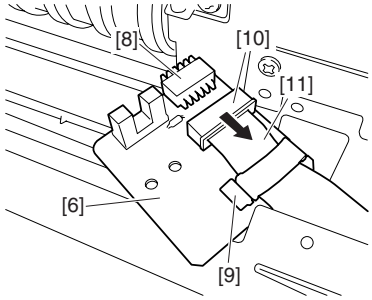
3) Place the stapler unit [3] as shown.
4) Remove the two screws [4], and detach the guide [5].



5) Turn the tab [2] on the stapler side in the direction of the arrow so that that the fixing screw [7] of the slide home position PCB [6] is in view through the round hole.
6) Remove the fixing screw [7].



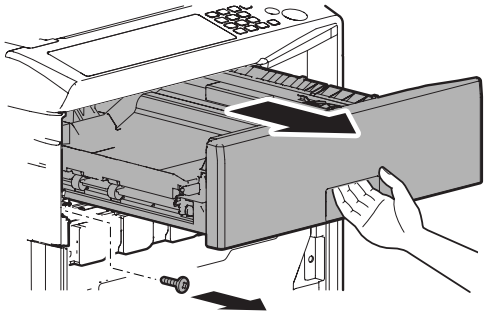
7) Disconnect the connector [8].
8) Remove the flexible cable retainer [9].
9) Free the lock [10] of the connector in the direction of the arrow; then, detach the flexible cable [11], and then detach the side home position PCB [12].



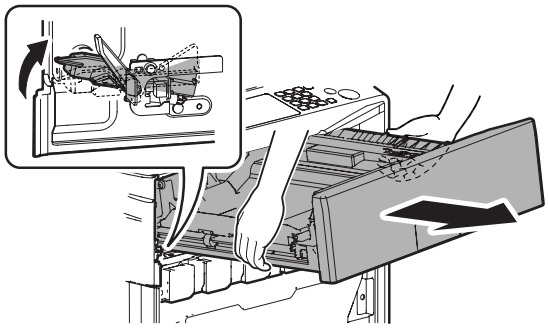
2. Paper Transport Section (MX-RBX1)

A. Paper Pass Unit

1) Pull out the paper pass unit, and remove the screw.

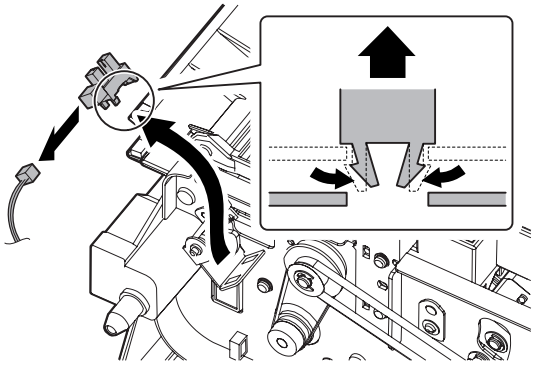


2) Free the lock, to remove the paper pass unit.



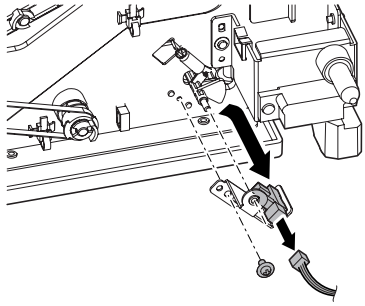
(1) Paper transport unit entry sensor

1) Remove the paper pass unit.
2) Remove the paper transport unit entry sensor.



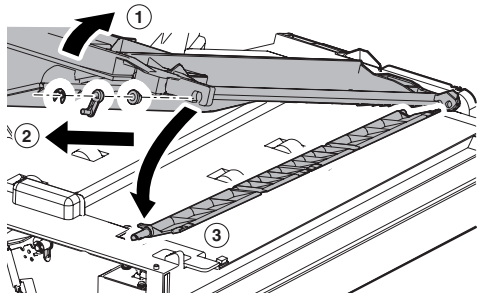
(2) Paper transport unit exit sensor

1) Remove the paper pass unit.
2) Remove the bracket, and remove the paper transport unit exit sensor.



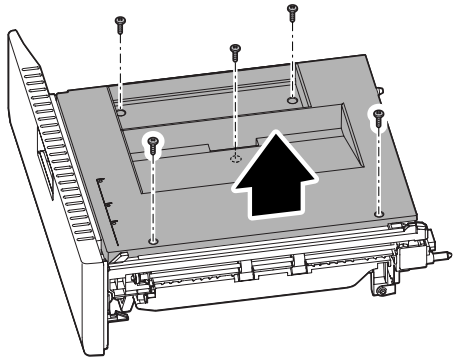
(3) Upper Guide Flapper

1) Remove the paper pass unit.
2) Open the upper transport unit, remove each parts, and remove the reverse gate.

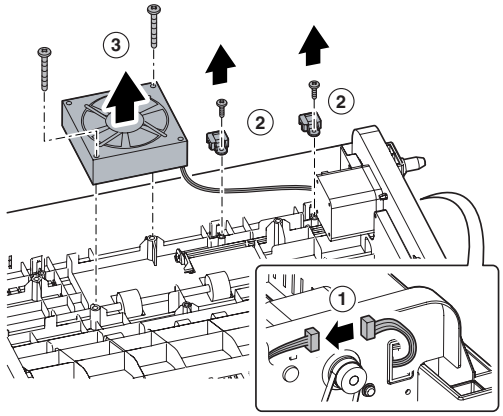


(4) Interface Fan

1) Remove the paper pass unit.
2) Remove the bottom cover.

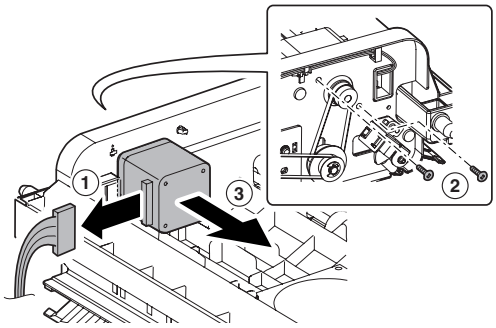


3) Remove the clamps, and disconnect the connector then remove the interface fan.
   * Install the interface fan so as the side with the label (A) comes to the direction illustrated.



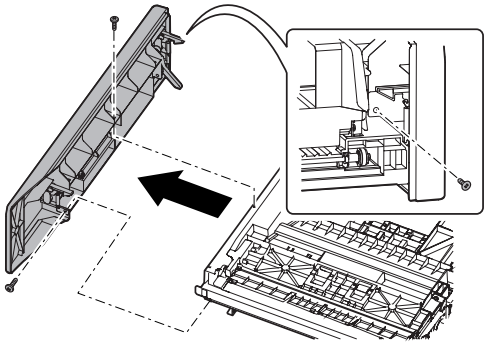
(5) Interface Transport Motor

1) Remove the paper pass unit.
2) Remove the bottom cover. (See (4).)
3) Disconnect the connector, then remove the interface transport motor.

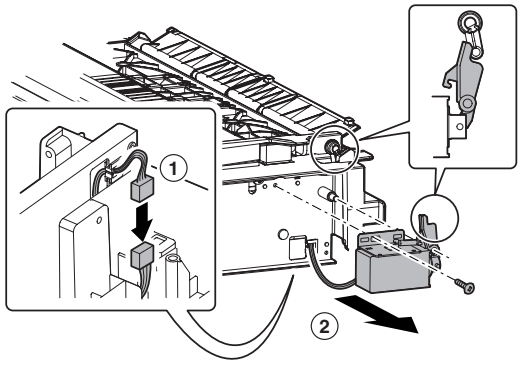


(6) Entry Reverse Pass Solenoid.

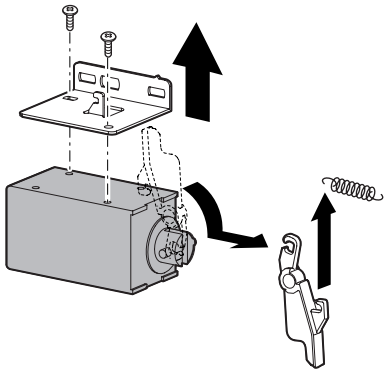
1) Remove the paper pass unit.
2) Remove the bottom cover. (See (4).)
3) Remove the front cover.



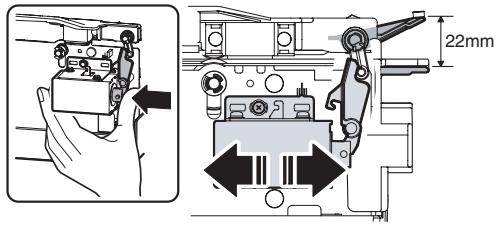
4) Remove the solenoid unit



5) Remove each parts, then remove the entry reverse pass solenoid.

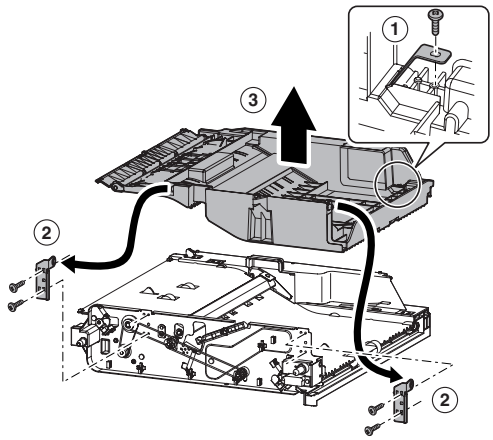


* Adjust so that the distance between the lower guide and the upper guide flapper is 22mm with the solenoid plunger pushed in. Install the entry reverse pass solenoid..

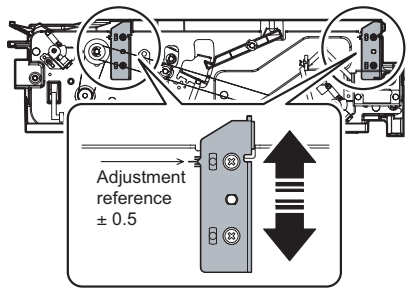


(7) Entry Roller

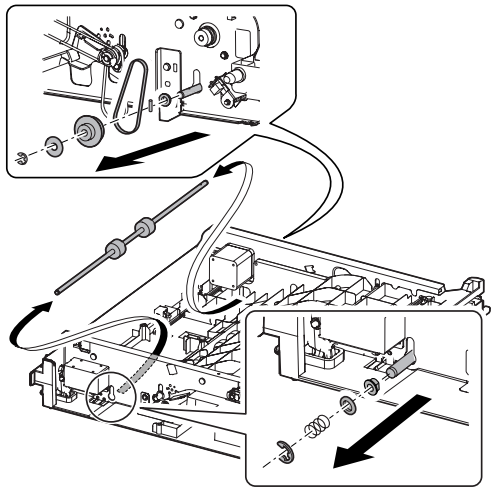
1) Remove the paper pass unit.
2) Remove the interface transport motor. (See (4).)
3) Remove the front cover. (See (6).)
4) Remove the stopper band, and the bracket, then remove the upper guide unit.



* When installing, adjust so that the solenoid is fit with the bracket ±adjustment reference. If the upper guide unit magnet lifts up, adjust the bracket for the magnet not to lift up.

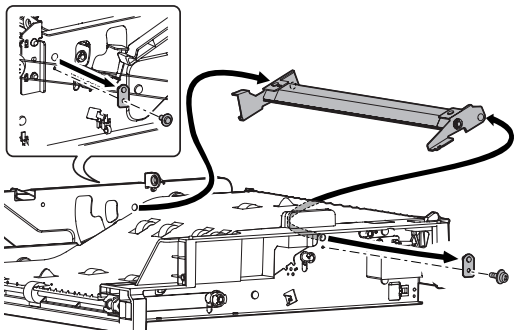


5) Remove each parts, then remove the entry roller.

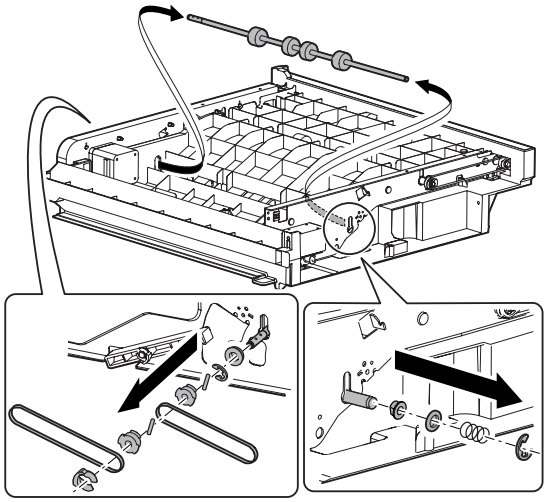


(8) Post Entry Roller

1) Remove the paper pass unit.
2) Remove the bottom cover. (See (4).)
3) Remove the front cover. (See (6).)
4) Remove the upper guide unit. (See (7).)
5) Remove the bracket, and remove the post entry roller unit.

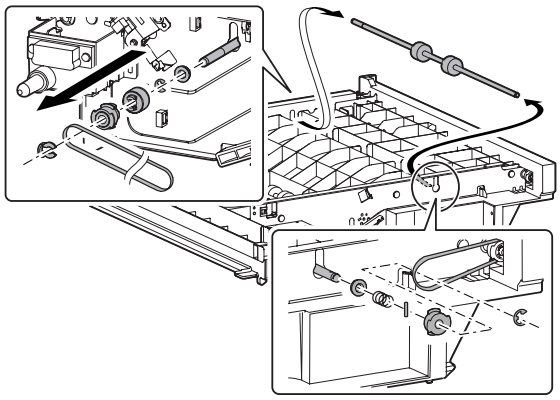


6) Remove each parts, and remove the post entry roller.



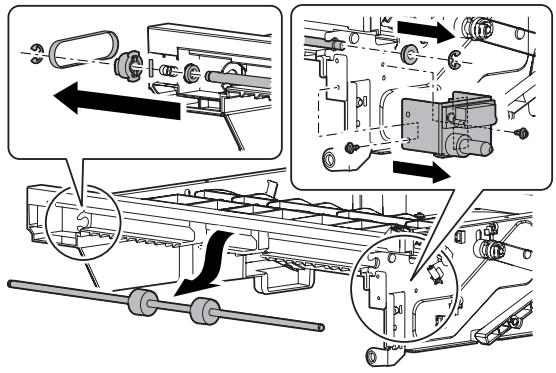
(9) Pre Entry Roller

1) Remove the paper pass unit.
2) Remove the bottom cover. (See (4).)
3) Remove the front cover. (See (6).)
4) Remove the upper guide unit. (See (7).)
5) Remove each parts, and remove the pre entry roller.



(10) Exit Roller

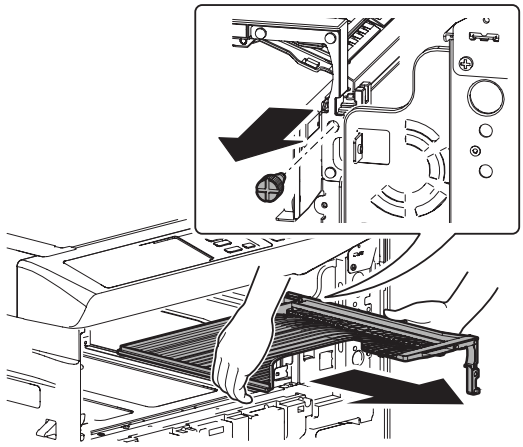
1) Remove the paper pass unit.
2) Remove the bottom cover. (See (4).)
3) Remove the front cover (See (6).)
4) Remove the upper guide unit. (See (7).)
5) Remove the drawer bracket.
   Remove each parts and remove the exit roller.



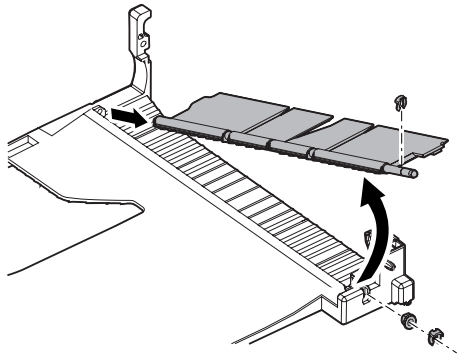
B. Reverse Tray Unit

(1) Reverse Flapper

1) Remove the paper pass unit.
2) Remove the reverse tray.



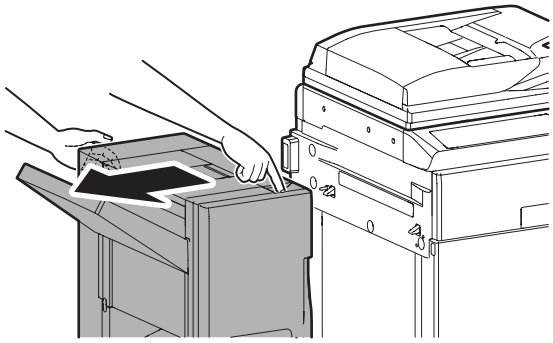
3) Remove each parts, and remove the reverse flapper.



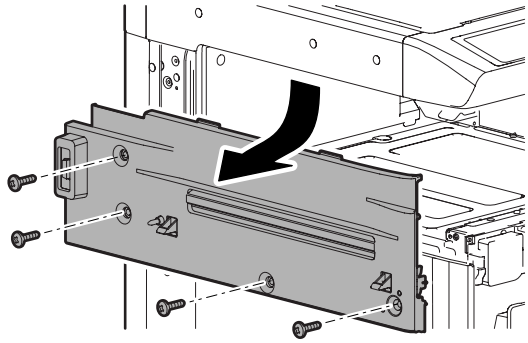
C. Left Cabinet Unit

(1) Interface Transport Unit Cover Detection Sensor

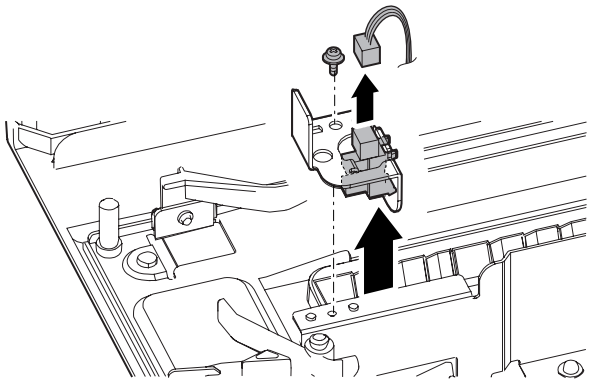
1) Remove the paper pass unit.
2) Remove the reverse tray. (See B.(1).)
3) Free the lock, then remove the saddle stitch finisher.



4) Remove the left cover.

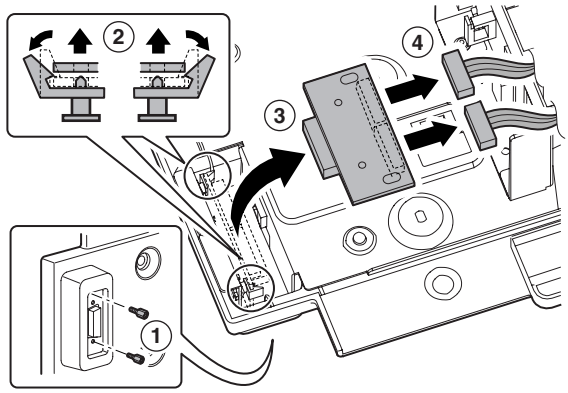


5) Disconnect the connector, and the sensor bracket. Remove the interface transport unit cover detection sensor.



(2) Paper Pass PCB

1) Remove the paper pass unit.
2) Remove the reverse tray. (See B.(1))
3) Remove the left cover. (See C.(1).)
4) Remove allen screw, remove the interface PCB, then remove the connector.

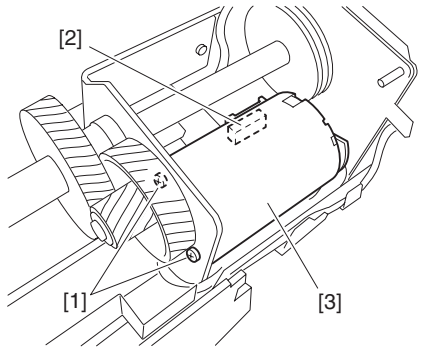


3. Punch Unit (AR-PN1A/B/C/D)

A. Punch Driving System

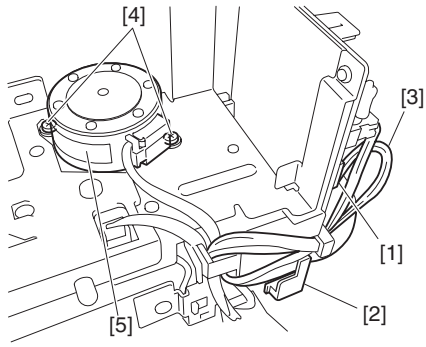
(1) Removing the Punch Motor

1) Remove the two screws [1].
2) Disconnect the connector [2] to remove the punch motor [3].



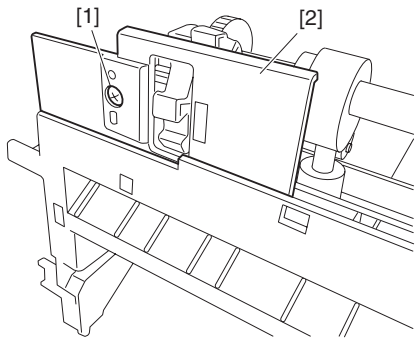
(2) Removing the Punch Horizontal Registration Motor

1) Disconnect connector [1].
2) Remove the harness [3] from the harness guide [2].
3) Remove the two screws [4] to remove the punch horizontal registration motor [5].

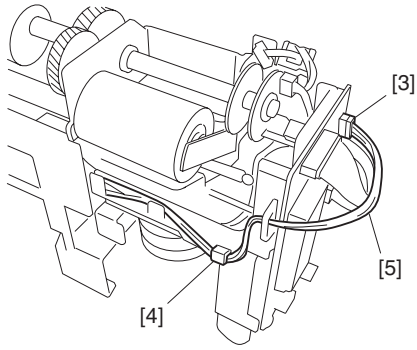


(3) Removing the Punch Unit

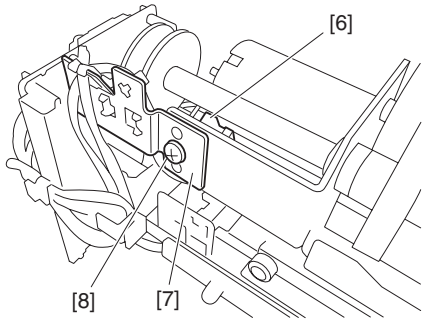
1) Remove the waste case.
2) Remove the screw [1] to detach the jam processing cover [2].



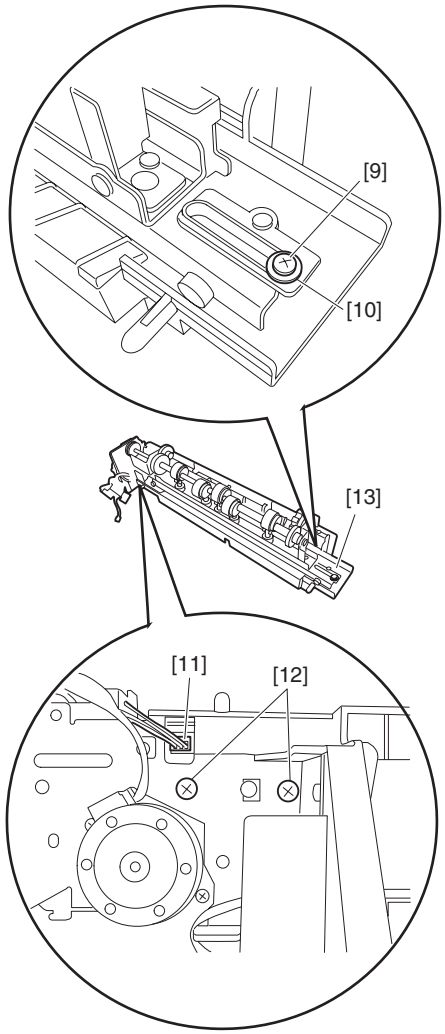
3) Disconnect the connector [3].
4) Remove the harness [5] from the harness guide [4].



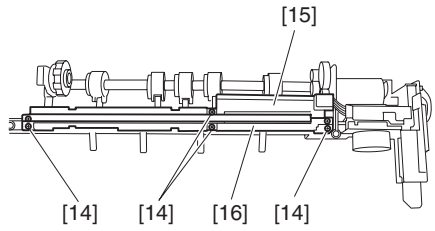
5) Disconnect the connector [6].
6) Remove the screw [7] and sensor support plate [8].



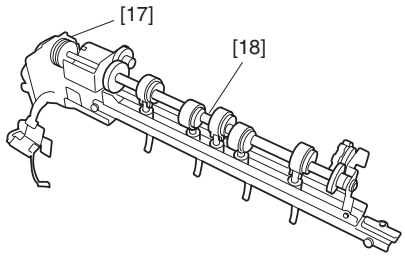
7) Remove the screw [9] and washer [10].
8) Disconnect the connector [11].
9) Remove the two screws [12] to detach the base cover [13].



10) Remove the four screws [14] to remove the upper transmission sensor unit [15] and lower transmission sensor [16].



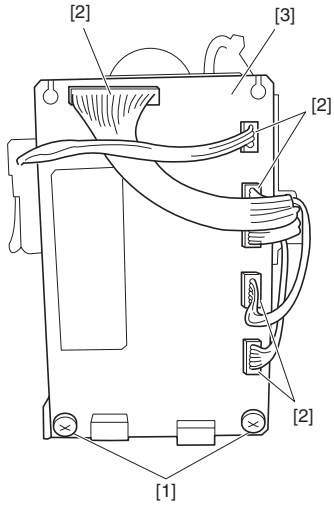
11) Remove the punch unit [18] from the punch horizontal registration motor assembly [17].



B. PCBs

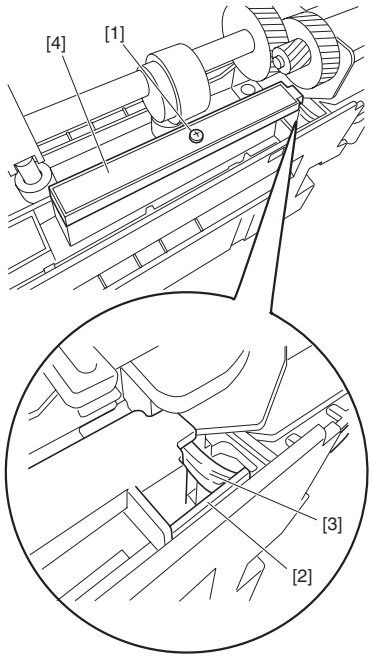
(1) Punch Controller PCB

1) Remove the two screws [1].
2) Disconnect the five connectors [2] to remove the punch controller PCB [3].

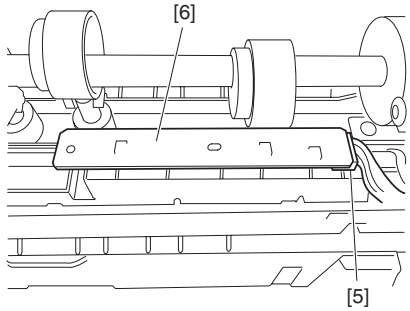


(2) Horizontal Registration Photosensor PCB

1) Remove the punch motor. (See A.(1).)
2) Remove the screw [1].
3) Remove the harness [3] from the harness guide [2] on the PCB, then detach the PCB cover [4].

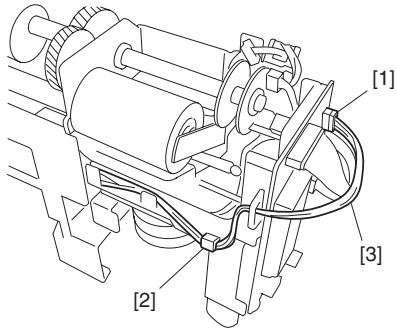


4) Disconnect the connector [5] to remove the photosensor PCB [6].

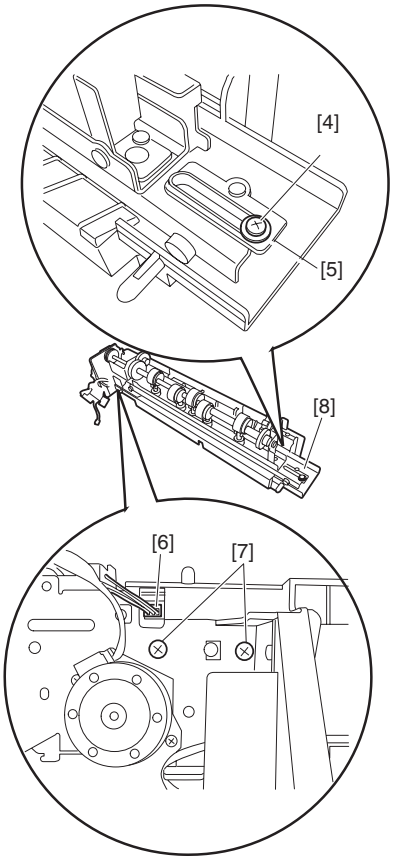


(3) Removing the LED PCB

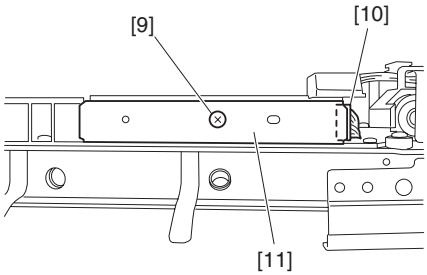
1) Remove the punch waste case.
2) Disconnect connector [1].
3) Remove the harness [3] from the harness guide [2].



4) Remove the screw [4] and washer [5].
5) Disconnect the connector [6].
6) Remove the screw [7] to detach the base cover [8].

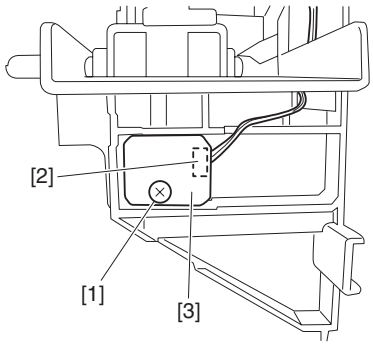


7) Remove the screw [9].
8) Disconnect the connector [10] to remove the LED PCB [11].

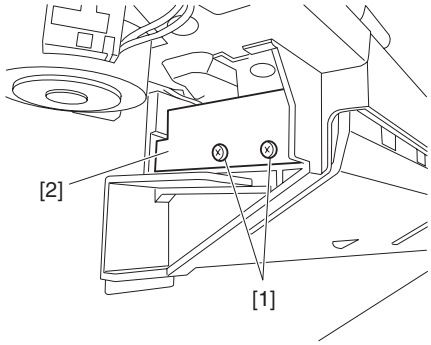


(4) Waste-Full Photosensor PCB

1) Remove the punch controller PCB.
2) Remove the two screws [1] to remove the PCB film [2].

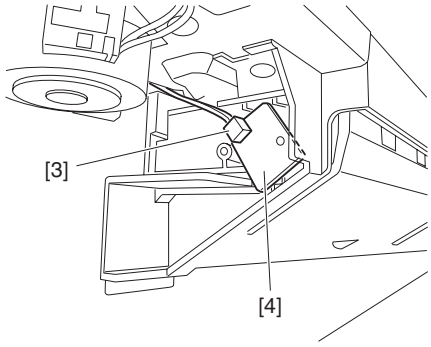


3) Disconnect the connector [3] to remove the waste-full photo-sensor PCB [4].



(5) Waste Full LED PCB

1) Remove the screw [1].
2) Disconnect the connector [2] to remove the waste-full LED PCB [3].

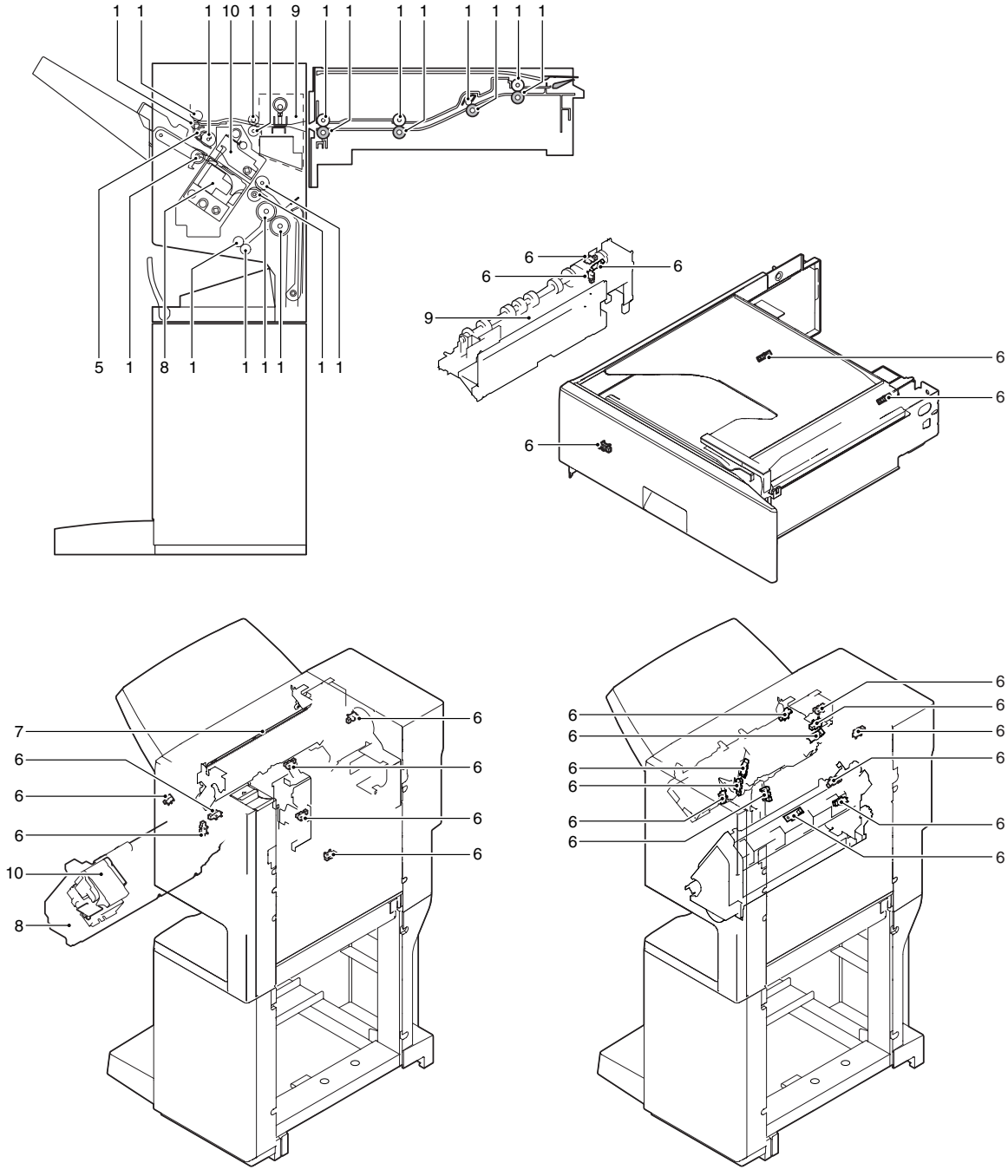


[7] MAINTENANCE

1. Maintenance System Table

×: Check (Clean, replace, or adjust as necessary.) ○: Clean ▲: Replace △: Adjust ☆: Lubricate □: Move position

No.	Part name	When calling	Follows the cycle of the main unit.	Remark
1	Transport rollers	○	○	
2	Transport paper guides	○	○	
3	Gears	×	×	
4	Belts	×	×	
5	Paddle	×	○	Replacement reference: Replace at every 1000K of the finisher paper exit count value.
6	Sensors	×	×	
7	Discharge brush	×	×	
8	Staple unit	Replacement reference: Replace the unit at every 100K staple.		
9	Punch unit	Replacement reference: Replace the unit at every 1000K.		
10	Staple cartridge	User replacement for every 5000pcs.		



[8] ADJUSTMENTS

1. Finisher/saddle unit

A. Adjusting the Folding Position

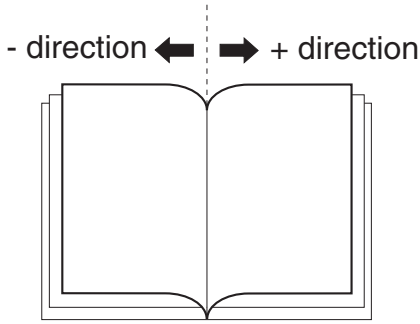
The folding position is adjusted by matching it with the stapling position.

If you have replaced the finisher controller PCB, you must transfer the existing settings to the new PCB. Perform the following if the folding position must be adjusted for some reason.

NOTE: Both the folding and stapling positions may deviate for some type of paper. In such a case, change the "middle stapling position" in the user mode of the host machine.

1) Set SW1 on the finisher controller PCB as follows:

2) Adjust the folding position by pressing the PSW1 or PSW2 on the finisher controller PCB a required number of times. Pressing the switch once moves the folding position about 0.16 mm.
   - To move the folding position in the "-" direction, press the PSW1.
   - To move the folding position in the "+" direction, press the PSW2.
   - Pressing the PSW1 and PSW2 at the same time clears the adjustment value.



3) When adjustment of the folding position is complete, set all bits of the SW1 on the finisher controller PCB to OFF.
4) Enter the bind mode of the host machine and check whether the folding position is adjusted properly. If adjusted improperly, adjust the folding position again.

B. Adjusting the Middle 2-Point Stapling Position

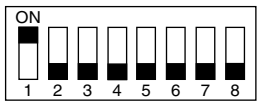
The stapling position is adjusted by matching it with the folding position.

● This adjustment is necessary:

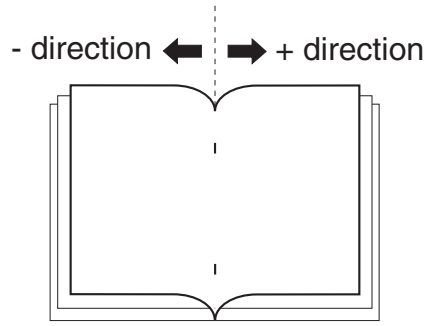
- If you have replaced the finisher controller PCB.
- If the stapling position must be adjusted for some reason.

NOTE: Both the folding and stapling positions may deviate for some type of paper. In such a case, change the "middle stapling position" in the user mode of the host machine.

1) Set SW1 on the finisher controller PCB as follows:



2) Adjust the stapling position by pressing the PSW1 or PSW2 on the finisher controller PCB a required number of times. Pressing the switch once moves the stapling position about 0.14 mm.
   - To move the stapling position in the "-" direction, press the PSW1.
   - To move the stapling position in the "+" direction, press the PSW2.
   - Pressing the PSW1 and PSW2 at the same time clears the adjustment value.



3) When adjustment of the stapling position is complete, set all bits of the SW1 on the finisher controller PCB to OFF.
4) Enter the bind mode of the host machine and check whether the stapling position is adjusted properly. If adjusted improperly, adjust the stapling position again.

C. One-page exit mode

This mode is used to increase the accuracy of paper alignment in the simple load offset mode by discharging paper one by one to the offset tray.

1) Set the SW1 of the finisher control PWB as shown below.

2) Turn on the power.

2. Punch unit (option)

A. Adjusting the Punch Hole Position

This adjustment is available only in the diagnostic mode (Sim 3-10) of the host machine. The range of punch hole displacement is between 3 and -3 in 1-mm increments. A higher setting will move the punch hole toward the leading edge of sheet.

B. Adjusting the Sensor Output

Perform the following when the punch controller PCB, horizontal registration sensor (photosensor PCB/LED PCB), or waste full sensor (waste full photosensor PCB/waste full LED PCB) has been replaced.

1) Shift bits 1 through 4 on the punch controller PCB as follows:

2) Press SW1002 or SW1003 on the punch controller PCB. A press will automatically adjust the sensor output.
   - The adjustment is over when all LEDs on the punch controller PCB are ON: LED1001, LED1002, LED1003.
3) Shift all bits of DIPSW1001 to OFF.

C. Registering the Number of Punch Hole

Perform the following to register the type of punch unit (number of holes) used to the IC on the punch controller PCB for identification by the finisher. Be sure to register the type whenever you have replaced the punch controller PCB.

1) Set bits 1 through 4 on the DIPSW1001 on the punch controller PCB as follows:

2) Press SW1002 on the punch controller PCB to select the appropriate number of punch holes.
   - Each press on SW1002 moves the selection through the following (repeatedly from top to bottom).

Number of punch holes	LED1001	LED1002	LED1003
2 holes (Punch Unit-J1)	ON	OFF	OFF
2/3 holes (Punch Unit-K1)	ON	ON	OFF
4 holes (Punch Unit-G1)	OFF	ON	OFF
4 holes (Punch Unit-H1)	OFF	OFF	ON

3) Press SW1003 on the punch controller PCB twice. The presses will store the selected number of punch holes on the punch controller PCB.
   - A single press on SW1003 will cause the LED indication to flash; another press on SW1003 will cause the indication to remain ON to indicate the end of registration.
4) Shift all bits of DIPSW1001 to OFF.

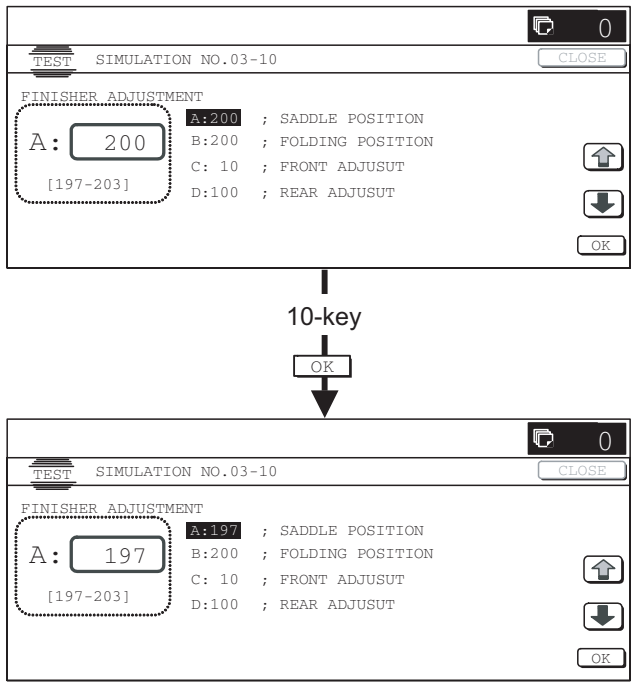
D. After Replacing the EEP-ROM (IC1002)

1) Turn off the host machine.
2) Set bits 1 through 4 on the punch controller PCB as follows:

3) Press SW1002 and SW1003 on the punch controller PCB at the same time.
   - The presses will initialize the EEP-ROM. At the end, all LEDs (LED1001, LED1002, LED1003) will go ON.
4) Adjust the sensor output, and store the number of punch holes. Adjust the punch hole position adjustment (horizontal registration) of necessary.

E. Setup by the diag simulation of the host machine

1) Select "FINISHER ADJUSTMENT" in SIM 3-10.
2) Select a setup item and change the setup value.



Adjustable setup range is as follows.

	Adjustment content	Default value	Setup range	Change/Setup value 1
1	Saddle binding position adjustment	200	0 - 400	0.0707mm
2	Saddle folding position adjustment	200	0 - 400	0.0525mm
3	Front alignment position adjustment	10	0 - 20	0.367mm
4	Rear alignment position adjustment	10	0 - 20	0.367mm
5	Staple front one-position binding position adjustment	100	0 - 200	0.04374mm
6	Staple rear one-position binding position adjustment	100	0 - 200	0.04374mm
7	Staple 2-position binding center adjustment	100	0 - 200	0.04374mm
8	Staple 2-position binding pitch adjustment	50	0 - 100	0.04374mm
9	Punch center position adjustment (FR direction)	50	47 - 53	
10	Punch hole position adjustment (paper feed direction)	50	0 - 100	0.105mm

[9] SELF DIAG MESSAGE AND TROUBLE CODE

1. Self diag message

A. Saddle Finisher unit

Error	Condition	Timing of detection	Operation	Resetting
Stapler absent	The stapler is not set.	Monitoring at all times	The staple motor (FFSM) and the staple shift motor (FSM) will stop.	Set the stapler.
Staple absent	The staple cartridge has run out of staples.	Monitoring at all times	Normal operation will continue; however, operation is subject to instructions from the host machine.	Replace the staple cartridge; or, set it correctly.
Mixed sheets	Sheets of different sizes are deposited in the compartment.	When a sheet of a different size is placed.	The sheet will be aligned based on maximum size width and delivered as a stack.	–
Overstacking for stapling	The number of sheets in the compartment has exceeded the limit imposed on stapling.	When an extra sheet is placed.	The sheets will be delivered with stapling.	–
Stack tray overstacking	The number of sheets deposited on the delivery tray has exceeded the limit imposed on the tray (sheets, sets).	When an extra sheet is placed.	Normal operation will continue.	Remove the sheets from the delivery tray.
Saddle overstacking	Remove the stack from the bind tray. More than 10 stacks are deposited on the folded stack tray.	When an extra sheet is placed.	Normal operation will continue.	Remove the stack from the bind tray.

B. Punch Unit (option)

Error	Condition	Timing of detection	Operation	Resetting
Waste case full	The amount of waste paper in the waste case has reached the limit.	During punching.	Normal operation will continue.	Remove the waste paper from the waste case.
Excess water	The amount of waste paper in the waste case has exceeded the limit.	During punching.	Punching will be disabled.	Remove the waste paper from the water case.

2. Trouble code

A. Outline

The CPU on the machine's finisher controller PCB is equipped with a mechanism to check the machine condition as needed; when it detects a fault, the machine communicates the fact to the host machine in the form of a code and a detail code.

The host machine indicates the code on its control panel.

B. Trouble code

F1-00 Console finisher communication trouble

Content	Console finisher communication trouble	
Phenomenon	Detail	Communication cable test error after turning on the power or exiting from DIAG. Communication error with the console finisher
Case	Cause	Improper connection or disconnection of connector and harness between the machine and the console finisher. Console finisher control PCB trouble Control PCB (PCU) trouble Malfunction due to electrical noise
	Check and remedy	Canceled by turning OFF/ON the power. Check connectors and harness in the communication line. Replace the console finisher control PCB or PCU PCB.

F1-02 Console finisher transport motor abnormality

Content	Console finisher transport motor abnormality	
Phenomenon	Detail	Transport motor trouble
Case	Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

F1-03 Console finisher paddle motor (FPM) trouble

Content	Console finisher paddle motor (FPM) trouble	
Phenomenon	Detail	Paddle motor (FPM) operation abnormality
Case	Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

F1-08 Console finisher staple shift motor (FSM) trouble

Content	Console finisher staple shift motor (FSM) trouble	
Phenomenon	Detail	Staple shift motor (FSM) operation abnormality
Case	Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

F1-10 Console finisher stapler motor (FFSM) trouble

Content	Console finisher stapler motor (FFSM) trouble	
Phenomenon	Detail	Stapler motor (FFSM) operation abnormality
Case	Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

F1-11 Console finisher bundle exit motor (FAM) trouble

Content	Console finisher bundle exit motor (FAM) trouble	
Phenomenon	Detail	Bundle exit motor (FAM) operation abnormality
Case	Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

F1-15 Console finisher lift motor (FLM) trouble

Content	Console finisher lift motor (FLM) trouble	
Phenomenon	Detail	Lift motor (FLM) operation abnormality
Case	Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

F1-19 Console finisher alignment motor (front) (FFJM) trouble

Content	Console finisher alignment motor (front) (FFJM) trouble	
Phenomenon	Detail	Alignment motor (front) (FFJM) operation abnormality
Case	Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

F1-20 Console finisher alignment motor (rear) (FRJM) trouble

Content	Console finisher alignment motor (rear) (FRJM) trouble	
Phenomenon	Detail	Alignment motor (rear) (FRJM) operation abnormality
Case	Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

F1-21 Interface fan (FJFM) trouble

Content	Interface fan (FJFM) trouble	
Phenomenon	Detail	Interface fan (FJFM) drive trouble
Case	Cause	Missing the motor lock and the connector
	Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

F1-31 Console finisher bookbinding position sensor (FFPD) trouble

Content	Console finisher bookbinding position sensor (FFPD) trouble	
Phenomenon	Detail	Sensor input value abnormality
Case	Cause	Sensor breakage harness breakage Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-2) to check the sensor operation.

F1-32 Communication trouble between the console finisher and the punch unit (AR-PN1A/B/C/D).

Content	Communication trouble between the console finisher and the punch unit (AR-PN1A/B/C/D).	
Phenomenon	Detail	Communication error between the console finisher and the punch unit (AR-PN1A/B/C/D).
Case	Cause	Improper connection or disconnection of connector and harness between the console finisher and the punch unit. Console finisher control PCB trouble Control PCB (PCU) trouble Malfunction by noise
	Check and remedy	Canceled by turning OFF/ON the power. Check connectors and harness in the communication line. Replace the console finisher control PCB.

F1-33 Console finisher punch side registration motor (FPSM) trouble (AR-PN1A/B/C/D)

Content	Console finisher punch side registration motor (FPSM) trouble (AR-PN1A/B/C/D)	
Phenomenon	Detail	Punch side registration motor (FPSM) operation abnormality
Case	Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

F1-34 Console finisher punch motor (FPNM) trouble (AR-PN1A/B/C/D)

Content	Console finisher punch motor (FPNM) trouble (AR-PN1A/B/C/D)	
Phenomenon	Detail	Punch motor (FPNM) operation abnormality
Case	Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

F1-35 Console finisher punch side registration home position (FPSHPD) trouble (AR-PN1A/B/C/D)

Content	Console finisher punch side registration home position (FPSHPD) trouble (AR-PN1A/B/C/D)	
Phenomenon	Detail	Sensor input value abnormality
Case	Cause	Sensor breakage Harness disconnection Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-2) to check the sensor operation.

F1-36 Console finisher punch side registration detect (FPTD, FPSD) trouble (AR-PN1A/B/C/D)

Content	Console finisher punch side registration detect (FPTD, FPSD) trouble (AR-PN1A/B/C/D)	
Phenomenon	Detail	Sensor input value abnormality
Case	Cause	Sensor breakage Harness disconnection Console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-2) to check the sensor operation.

F1-37 Console finisher backup RAM data trouble

Content	Console finisher backup RAM data trouble	
Phenomenon	Detail	Backup RAM contents are disturbed.
Case	Cause	Console finisher control PCB trouble Malfunction by noise
	Check and remedy	Replace the console finisher control PCB.

F1-38 Console finisher punch backup RAM data trouble (AR-PN1A/B/C/D)

Content	Console finisher punch backup RAM data trouble (AR-PN1A/B/C/D)	
Phenomenon	Detail	Punch unit backup RAM contents are disturbed.
Case	Cause	Punch control PCB trouble Malfunction by noise
	Check and remedy	Replace the punch control PCB.

F1-39 Console finisher punch dust sensor trouble (AR-PN1A/B/C/D)

Content	Console finisher punch dust sensor trouble (AR-PN1A/B/C/D)	
Phenomenon	Detail	Sensor input abnormality
Case	Cause	Dust sensor breakage harness disconnection console finisher control PCB trouble
	Check and remedy	Use DIAG (SIM3-2) to check the sensor operation.

F1-40 Console finisher puncher section power trouble (AR-PN1A/B/C/D)

Content	Console finisher puncher section power trouble (AR-PN1A/B/C/D)	
Phenomenon	Detail	Puncher operation abnormality
Case	Cause	Punch control PCB trouble
	Check and remedy	Replace the punch control PCB

C. Troubleshooting

(1) Finisher/saddle unit

a. F1-03, Paddle Motor (FPM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Paddle home position sensor (FPDHPD)	1	Check the paddle home position sensor (FPDHPD). Is the sensor normal?	NO	Replace the sensor
Stack roller home position sensor (FARHPD)	2	Check the stack roller home position sensor (FPDHPD). Is the sensor normal?	NO	Replace the sensor.
Wiring	3	Is the wiring between the finisher controller PCB and the paddle motor (FPM) normal?	NO	Correct the wiring.
Paddle, Swing guide assembly	4	Try turning the paddle motor (FPM) clockwise and counterclockwise by hands. Is there mechanical tapping in the rotation of the paddle or the up/down movement of the swing guide?	YES	Correct the mechanical mechanism.
Paddle motor (FPM), finisher controller PCB	5	Try replacing the paddle motor (FPM). Is the problem corrected?	YES	Replace the finisher controller PCB.

b. F1-06, Slide Staple Motor (FSM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
staple shift home position sensor (FSTHPD)	1	Check the staple shift home position sensor (FSTHPD). Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the staple shift motor (FSM) normal?	NO	Correct the wiring.
Stapler unit	3	Is there mechanical trapping in the stapler path?	YES	Correct the mechanical system.
Slide slide motor (FSM), Finisher controller PCB	4	Try replacing the staple shift motor (FSM). Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

c. F1-10, Staple Motor (FFSM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Staple drive home position sensor (FSHPD)	1	Check the staple drive home position sensor (FSHRD). Is the sensor normal?	NO	Replace the sensor
Wiring	2	Is the wiring between the finisher controller PCB and the staple motor (FFSM) normal?	NO	Correct the wiring.
Stapler unit	3	Try turning the staple jam releasing dial. Is there mechanical trapping?	YES	Correct the mechanical system.
Staple motor (FFSM), Finisher controller PCB	4	Try replacing the staple motor (FFSM). Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

d. F1-10, Staple Motor (FFSM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Bookbinding home position sensor (FFHPD)	1	Check the bookbinding home position sensor (FFHPD). Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the staple motor (FFSM) normal?	NO	Correct the wiring.
Saddle unit	3	Try turning the fold jam releasing dial. Is there mechanical trapping?	YES	Correct the mechanical mechanism.
Staple motor (FFSM), Finisher controller PCB	4	Try replacing the staple motor (FFSM). Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

e. F1-10, Staple Motor (FFSM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Bookbinding lock sensor (FFE)	1	Check the bookbinding lock sensor (FFE). Is the sensor normal?	NO	Replace the sensor.
Finisher controller PCB, Saddle unit	2	Does the staple motor (FFSM) operate at the appropriate timing?	YES	Replace the finisher controller PCB.
			NO	Check the saddle unit drive mechanism: if faulty, correct it; otherwise, go to step 3).
Staple motor (FFSM), Finisher controller PCB	3	Try replacing the staple motor (FFSM). Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

f. F1-11, Stack Delivery Motor (FAM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Delivery belt home position sensor (FOBHPD)	1	Check the delivery belt home position sensor (FOBHPD). Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the stack delivery motor (FAM) normal?	NO	Correct the wiring.
Stack delivery roller	3	Try turning the stack delivery motor (FAM) by hand. Is the rotation smooth?	NO	Correct the mechanical system.
Stack delivery motor (FAM), Finisher controller PCB	4	Try replacing the stack delivery motor (FAM). Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

g. F1-15, Lift Motor (FLM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Paper surface sensor (FSLD)	1	Check the paper surface sensor (FSLD). Is the sensor normal?	NO	Replace the sensor.
Tray up/down mechanism	2	Check the tray up/down mechanism. Is the mechanism normal?	NO	Correct the mechanism.
Finisher controller PCB	3	Is 24 VDC supplied from the finisher controller PCB to the lift motor (FLM) as soon as the tray is driven?	NO	Replace the finisher controller PCB.
Lift motor (FLM), Wiring	4	Check the wiring from the finisher controller PCB to the lift motor (FLM); is it normal?	YES	Replace the lift motor (FLM).
			NO	Correct the wiring.

h. F1-15, Lift Motor (FLM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Tray position	1	Is the tray as far as the lift upper limit sensor (FULD)?	YES	Lower the position of the tray.
Lift upper limit sensor (FULD)	2	Check the lift upper limit sensor (FULD). Is the sensor normal?	NO	Replace the sensor.
Finisher controller PCB, Wiring	3	Check the wiring from the finisher controller PCB to the lift upper limit sensor (FULD); is it normal?	YES	Replace the finisher controller PCB.
			NO	Correct the wiring.

i. F1-15, Shift Motor (FLM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
-	1	Is the tray in UP position?	YES	Go to step 4).
			NO	Go to step 2).
Finisher controller PCB	2	Is power supplied to the finisher controller PCB as soon as the tray is driven?	YES	Go to step 3).
			NO	Replace the finisher controller PCB.
Tray up/down mechanism, lift motor (FLM)	3	Is there a fault in the tray up/down mechanism?	YES	Correct the tray up/down mechanism.
			NO	Replace the tray up/down motor.
Lift motor lock (FLE), Finisher controller PCB	4	Check the lift motor lock sensor (FLE). Is the sensor normal?	YES	Replace the finisher controller PCB.
			NO	Replace the sensor.

j. F1-19, Alignment Motor (front) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Alignment plate home position sensor (front; FFJHPD)	1	Check the alignment home position sensor (front; FFJHPD). Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the alignment plate motor (front; FFJM) normal?	NO	Correct the wiring.
Alignment plate (front)	3	Is there mechanical trapping in the alignment plate path?	YES	Correct the mechanical system.
Alignment motor (front; FFJM), Finisher controller PCB	4	Try replacing the alignment motor (front; FFJM). Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

k. F1-20, Alignment Motor (Rear; FRJM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Alignment home position sensor (rear; FRJHPD)	1	Check the alignment home position sensor (rear; FRJHPD). Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the alignment motor (rear; FRJM) normal?	NO	Correct the wiring.
Alignment plate (rear)	3	Is there mechanical trapping in the path of the alignment plate?	YES	Correct the mechanical mechanism.
Alignment motor (rear; FRJM), Finisher controller PCB	4	Try replacing the alignment motor (rear; FRJM). Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

l. F1-30, Communication error

Cause/Trouble section	Procedure	Check	Result	Remedy
Finisher controller PCB, Host machine DC controller PCB	1	Turn off and then on the host machine. Is the problem corrected?	YES	End.
Wiring	2	Is the wiring between the finisher controller PCB and the DC controller PCB of the host machine normal?	NO	Correct the wring.
Finisher controller PCB, Host machine DC controller PCB	3	Try replacing the finisher controller PCB and the host machine DC controller PCB. Is the problem corrected?	YES	End.

m. F1-37, Finisher Unit Back-Up RAM Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Finisher controller PCB	1	Turn off and then on the host machine. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

n. F1-80, Finisher Unit Power Supply Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Finisher controller PCB, Host machine DC controller PCB	1	Turn off and then on the host machine. Is the problem corrected?	YES	End.
Wiring	2	Is the wiring between the finisher controller PCB and the host machine DC controller PCB normal?	NO	Correct the wiring.
Power supply	3	Measure the voltage between CN1-1 (+) and CN1-3 (-)/CN2-1 (+) and CN2-3 (-) on the finisher controller PCB. Is it 24 VDC?	YES	Replace the finisher controller PCB.
			NO	Replace the host machine DC controller PCB.

o. F1-81, Feed Motor (FFM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Bookbinding roller home position sensor (FFRHPD)	1	Check the bookbinding roller home position sensor (FFRHPD). Is it normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the feed motor (FFM) normal?	NO	Correct the wiring.
Feed roller	3	Try turning the stack feed roller (upper) shaft by hand. Does the stack feed roller (upper) move up/down normally?	NO	Correct the mechanical system.
Feed motor (FFM), Finisher controller PCB	4	Try replacing the feed motor (FFM). Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

(2) Punch Unit, option

a. F1-32, Communication Faulty

Cause/Trouble section	Procedure	Check	Result	Remedy
Finisher controller PCB, Punch controller PCB	1	Turn off and the on the host machine. Is the problem corrected?	YES	End.
Wiring	2	Is the wiring between the finisher controller PCB and the punch controller PCB normal?	NO	Correct the wiring.
Power supply	3	Measure the voltage between CN14-5 (+) and CN14-3 (-) on the finisher controller PCB. Is it 24 VDC?	NO	Replace the finisher controller PCB.
			YES	Replace the punch controller PCB.

b. F1-33, Punch Horizontal Registration Motor (FPSM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Punch horizontal registration home position sensor (FPSHPD)	1	Check the punch horizontal registration home position sensor (FPSHPD). Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the punch horizontal registration home position sensor (FPSHPD) normal?	NO	Correct the wiring.
Horizontal registration mechanism, punch horizontal registration motor (FPSM)	3	Is there a fault in the horizontal registration mechanism?	YES	Correct the horizontal registration mechanism.
			NO	Replace the punch horizontal registration motor (FPNM).
Punch controller PCB, Finisher controller PCB	4	Try replacing the punch controller PCB. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

c. F1-34, Punch Motor (FPNM) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Punch home position sensor (FPHPD)	1	Check the punch home position sensor (FPHPD). Is the sensor normal?	NO	Replace the sensor.
Punch motor lock sensor (FPMCK)	2	Check the punch motor lock sensor (FPMCK). Is the sensor normal?	NO	Replace the sensor.
Wiring	3	Is the wiring between the finisher controller PCB and the sensor normal?	NO	Correct the wiring.
Punch mechanism, Punch motor (FPNM)	4	Is there a fault in the punch mechanism?	YES	Correct the punch mechanism.
			NO	Replace the punch motor (FPNM).
Punch controller PCB, Finisher controller PCB	5	Try replacing the punch controller PCB. Is the problem corrected?	YES	End.
			NO	Replace the fisher controller PCB.

d. F1-35, Punch Horizontal Registration Home Position Sensor (FPSHPD) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Horizontal registration sensor (photosensor PCB/LED PCB)	1	Check the horizontal registration sensor. Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Check the punch motor lock sensor (FPMCK). Is the sensor normal?	NO	Correct the wiring.
Punch controller PCB, Finisher controller PCB	3	Try replacing the punch controller PCB. Is the problem correct?	YES	End.
			NO	Replace the finisher controller PCB.

e. F1-38, Punch Unit Back-UP RAM Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Punch controller PCB	1	Turn off and the on the host machine. Is the problem corrected?	YES	End.
			NO	Replace the punch controller PCB.

f. F1-39, Waste Full Sensor Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Waste full Sensor (waste full photosensor PCB/waste full LED PCB)	1	Check the waste full sensor. Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the punch controller PCB and the waste full sensor normal?	NO	Correct the wiring.
Punch controller PCB, Finisher controller PCB	3	Try replacing the punch controller PCB. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

g. F1-40, Punch Unit Power Supply Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Finisher controller PCB, Host machine DC controller PCB	1	Turn off and then off the host machine. Is the problem corrected?	YES	End.
Wiring	2	Is the wiring between the finisher controller PCB and the punch controller PCB normal?	NO	Correct the wiring.
Power supply	3	Measure the voltage between CN14-5 (+) and CN4-3 (-) on the finisher controller PCB. Is it 24 VDC?	YES	Replace the punch controller PCB.
			NO	Replace the finisher controller PCB.

(3) Paper pass (Paper transport section)

a. The transport motor (FFM) does not operate.

Case 1	Cause	Connector pin loose connection
	Check & Remedy	Check connection of the connectors. (CN309, CN307, CN306, CN303, CN301, CN21)
Case 2	Cause	Harness disconnection
	Check & Remedy	Execute the conduction test between connectors. If disconnection is found, replace the defective connectors.
Case 3	Cause	Motor lead breaking
	Check & Remedy	Execute the conduction test of coil. If disconnection is found, replace the coil.
Case 4	Cause	Control PWB trouble
	Check & Remedy	If the motor does not operate in the motor individual operation mode, replace the control PWB.

b. A fan motor alarm is generated.

Case 1	Cause	Pinching
	Check & Remedy	Visually check the suction port and remove foreign materials.
Case 2	Cause	Connector pin loose connection
	Check & Remedy	Check connection of the connectors. (CN313, CN307, CN306, CN304, CN301, CN22, CN23)
Case 3	Cause	Harness disconnection
	Check & Remedy	Execute the conduction test between connectors. If disconnection is found, replace the defective connectors.
Case 4	Cause	Motor trouble
	Check & Remedy	If the motor does not operate in the motor individual operation mode, replace the motor.
Case 5	Cause	Control PWB trouble
	Check & Remedy	If the motor does not operate in the motor individual operation mode, replace the control PWB.

c. A paper jam occurs in the entry port of the interface transport unit.

Case 1	Cause	Flapper solenoid connector pin loose connection
	Check & Remedy	Check connection of the connectors. (CN312, CN307, CN306, CN304, CN301, CN22, CN23)
Case 2	Cause	Harness disconnection
	Check & Remedy	Execute the conduction test between connectors. If disconnection is found, replace the defective connectors.
Case 3	Cause	Flapper solenoid trouble
	Check & Remedy	If there is no conduction between CN312 1 pin and 2pin, replace the solenoid.
Case 4	Cause	Control PWB trouble
	Check & Remedy	If the flapper does not operate in the individual operation mode, replace the control PWB.

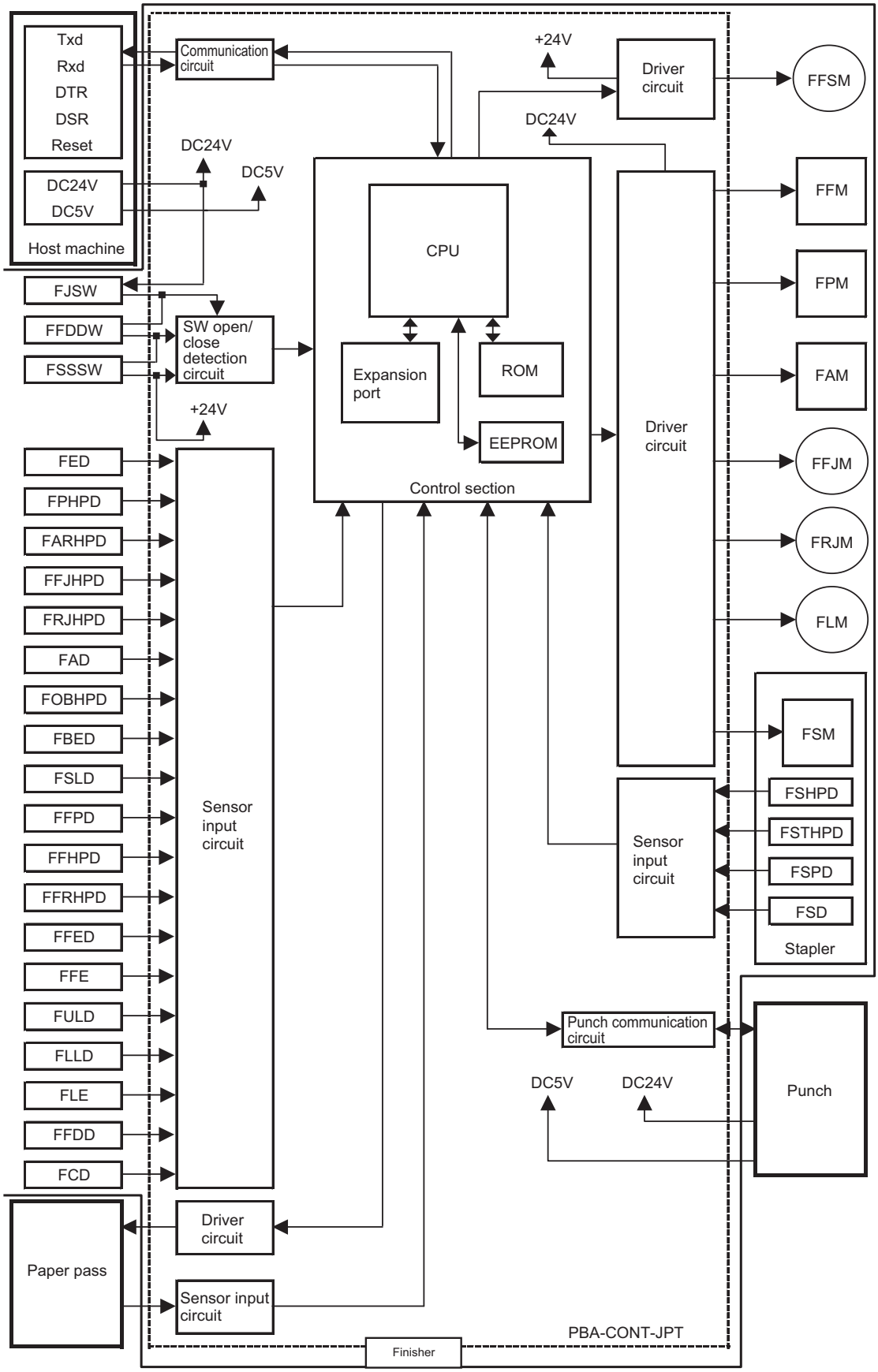
d. The interface unit paper jam display is made on the system display.

Case 1	Cause	Paper jam
	Check & Remedy	Visually check to remove paper jam.
	Cause	Sensor connector pin loose connection
	Check & Remedy	Check connection of the connectors. (CN310, CN311, CN307, CN306, CN304, CN301, CN22, CN23)
Case 2	Cause	Harness disconnection
	Check & Remedy	Execute the conduction test between connectors. If disconnection is found, replace the defective connectors.
	Cause	Sensor trouble
	Check & Remedy	Replace the sensor at the paper jam position.
Case 3	Cause	Sensor flag operation trouble
	Check & Remedy	Visually check the sensor flag operation. If it is caught in the operation, replace the sensor flag.
Case 4	Cause	Control PWB trouble
	Check & Remedy	If the sensor level varies but the phenomenon remains when each sensor is turned ON/OFF, replace the control PWB.

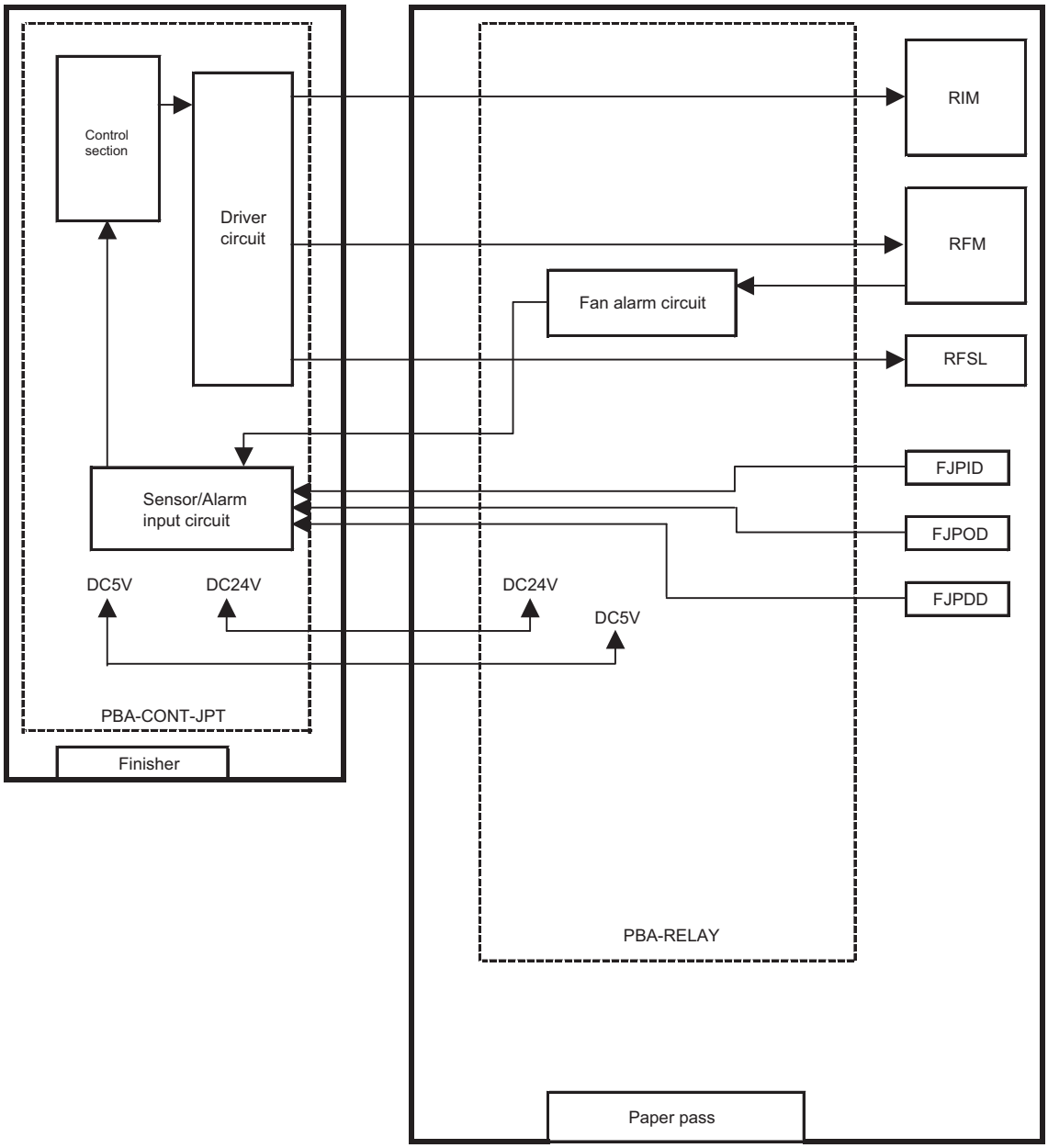
[10] ELECTRICAL SECTION

1. Block diagram

A. MX-FNX2

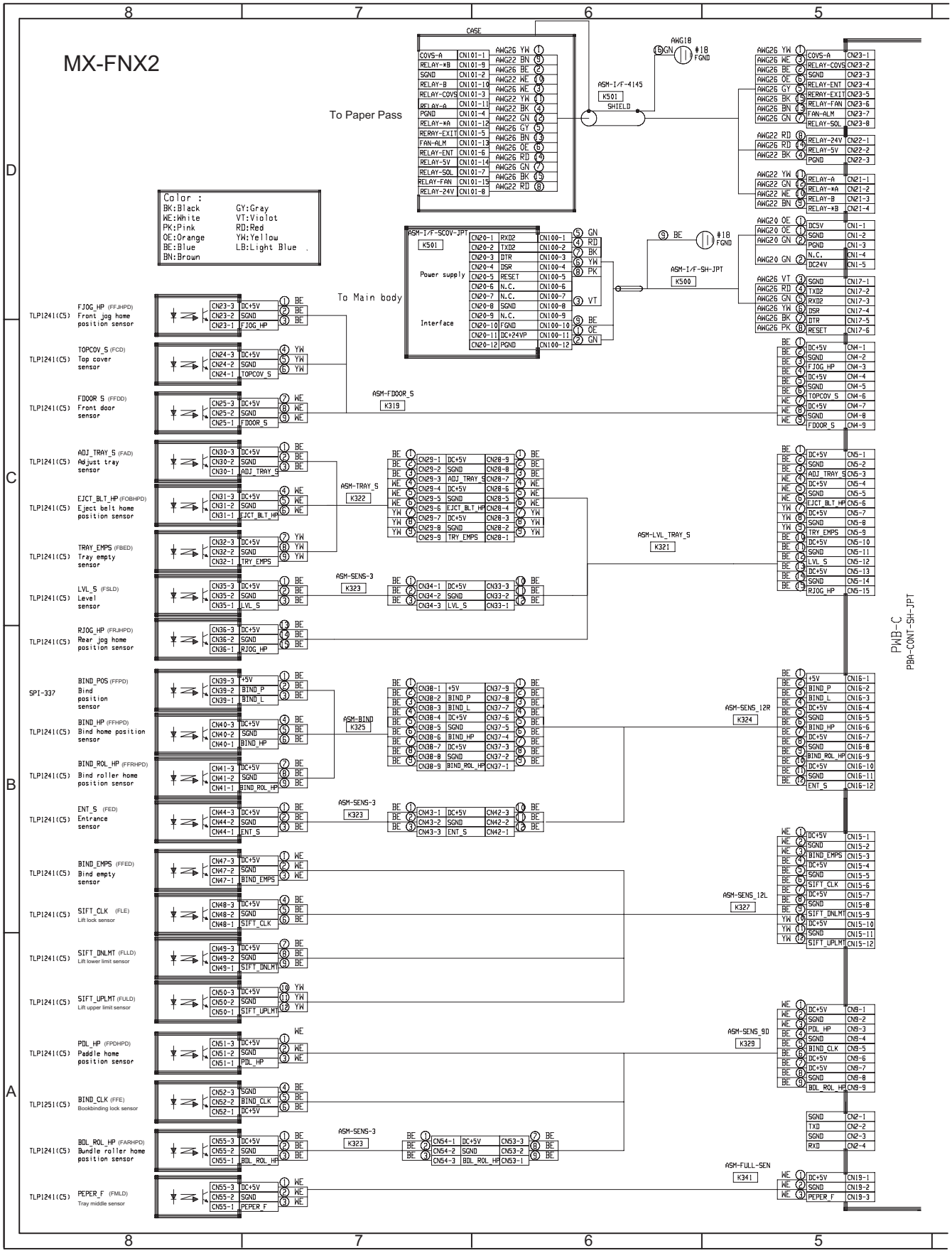


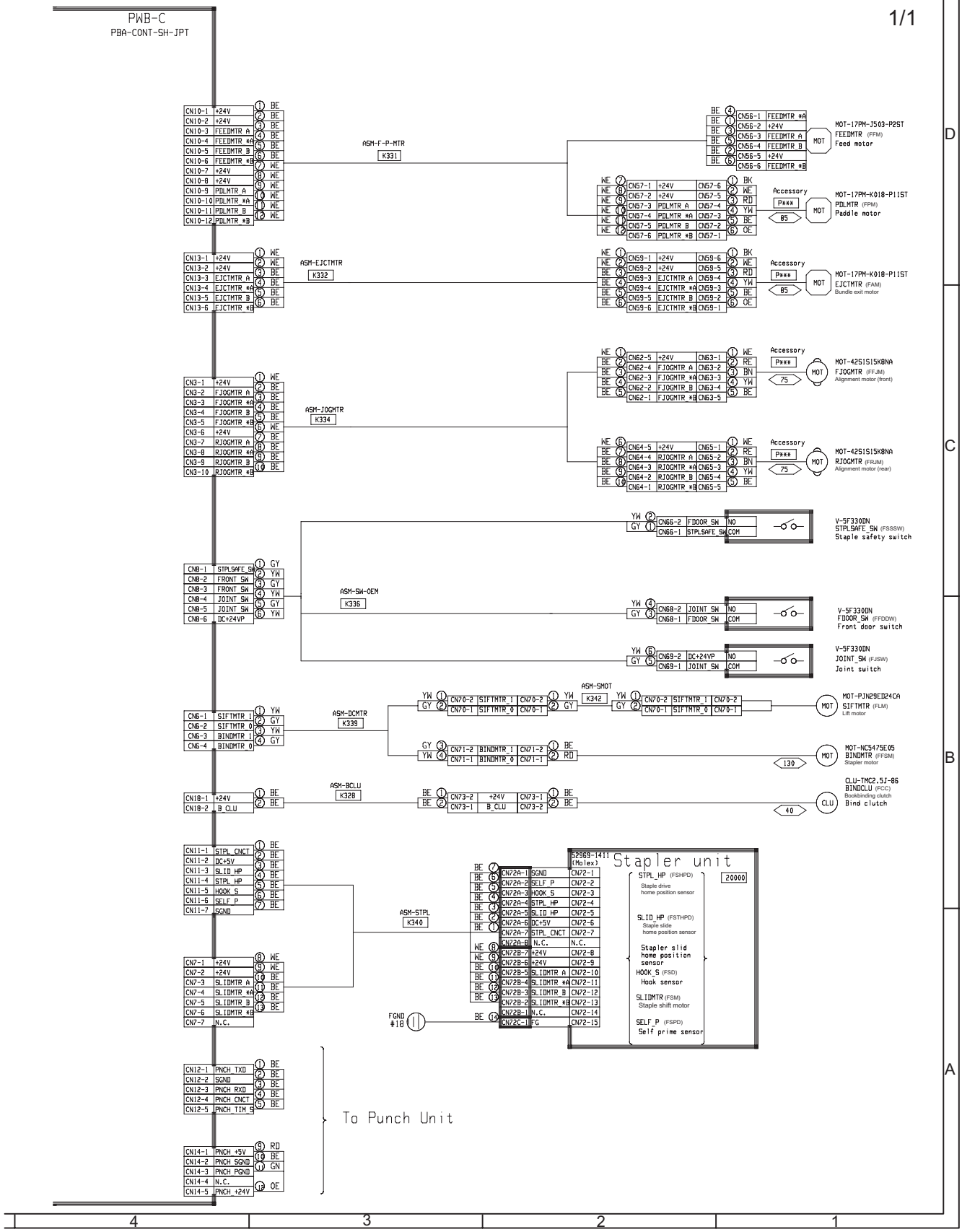
B. MX-RBX1


Control section
Driver circuit
Sensor/Alarm input circuit
DC5V
DC24V
PBA-CONT-JPT
Finisher
DC24V
DC5V
PBA-RELAY
Paper pass
Fan alarm circuit
RIM
RFM
RFSL
FJPID
FJPOD
FJPDD

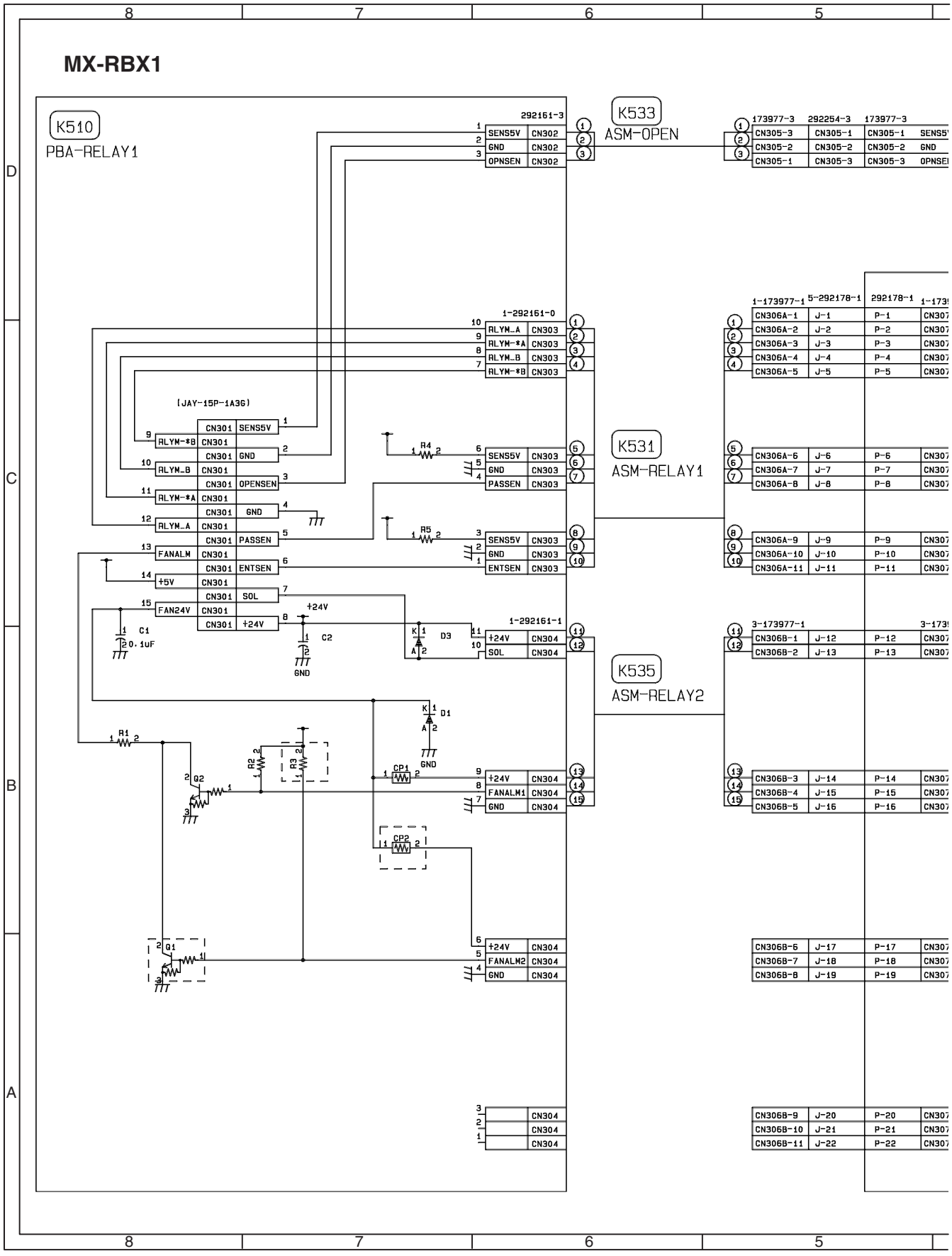
2. Wiring diagram

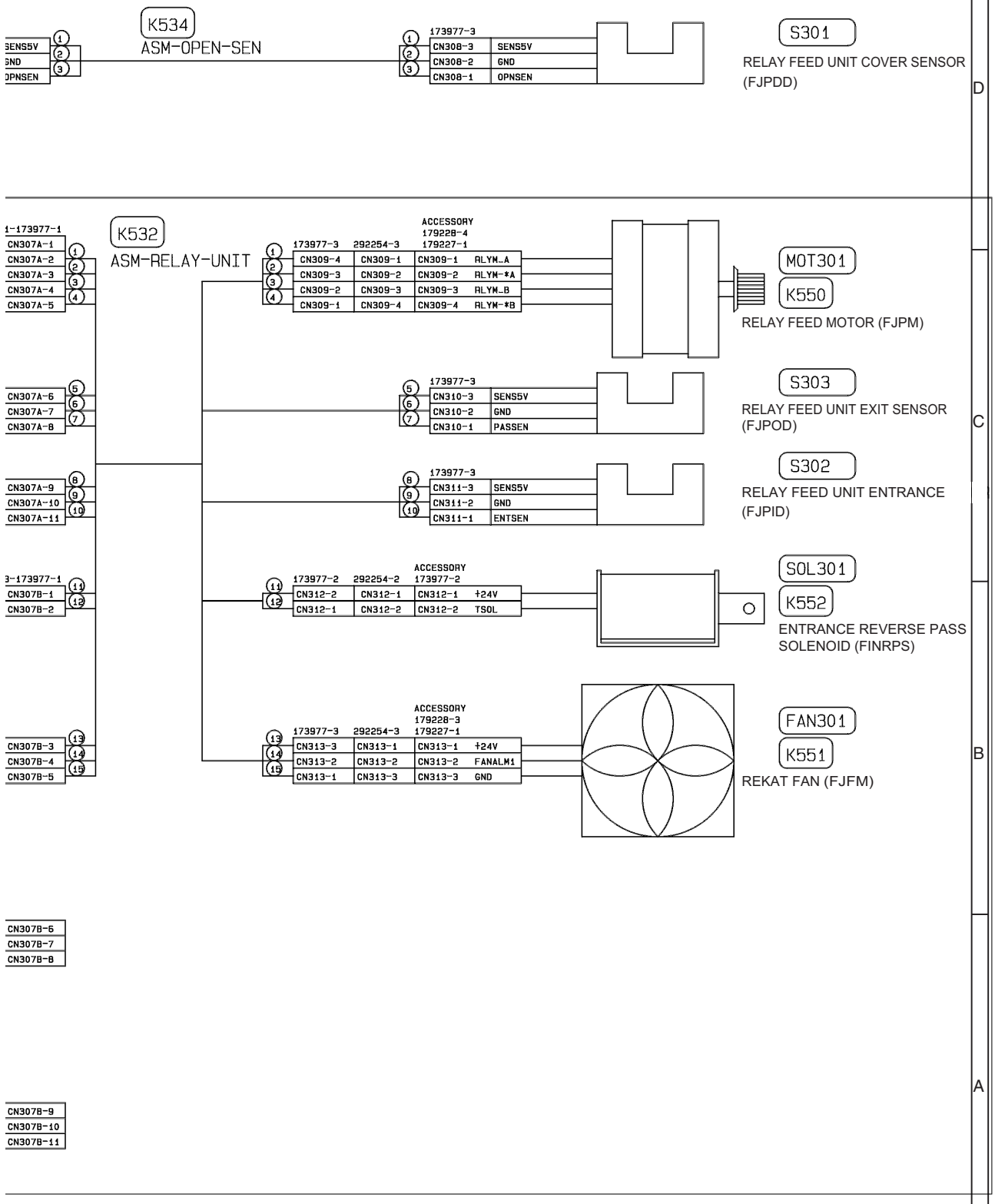
A. MX-FNX2



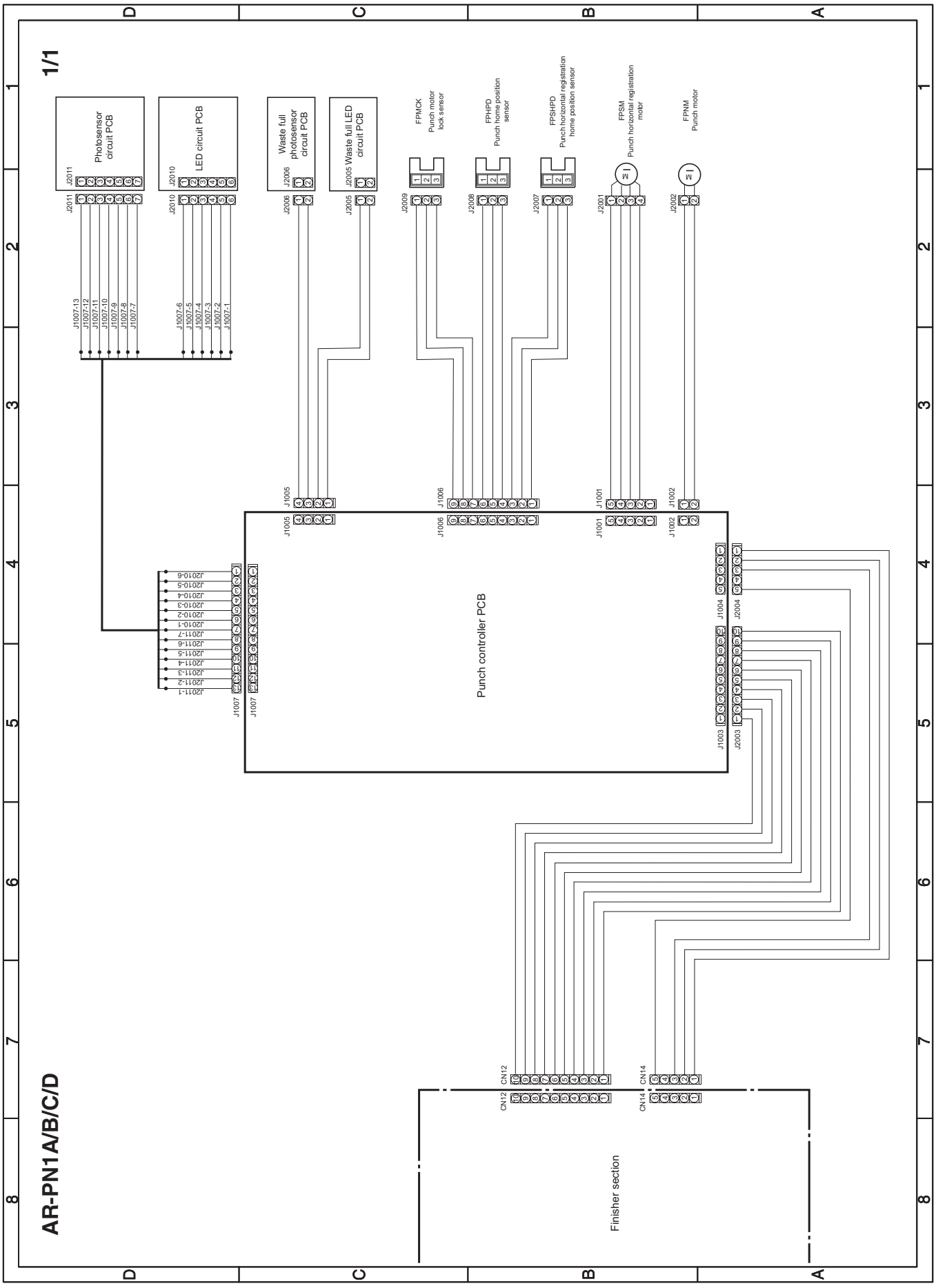

PWB-C
PBA-CONT-SH-JPT
1/1
ASM-F-P-MTR
K331
MOT-17PM-J503-P2ST
FEEDMTR (FFM)
Feed motor
ASM-EJCTMTR
K332
MOT-17PM-K018-P11ST
PDLMTR (FPM)
Paddle motor
MOT-17PM-K018-P11ST
EJCTMTR (FAM)
Bundle exit motor
ASM-JOGMTR
K334
MOT-42S1S15K8NA
FJOGMTR (FFJM)
Alignment motor (front)
MOT-42S1S15K8NA
RJOGMTR (FRJM)
Alignment motor (rear)
V-5F330DN
STPLSAFE_SW (FSSSW)
Staple safety switch
ASM-SW-OEM
K336
V-5F330DN
FDOOR_SW (FFDDW)
Front door switch
V-5F330DN
JOINT_SW (FJSW)
Joint switch
ASM-SMOT
K342
ASM-DCMTR
K339
MOT-PJN29ED24CA
SIFTMTR (FLM)
Lift motor
MOT-NC5475E05
BINDMTR (FFSM)
Stapler motor
ASM-BCLU
K328
CLU-TMC2.5J-B6
BINDCLU (FCC)
Bookbinding clutch
Bind clutch
ASM-STPL
K340
52969-1411
(Molex)
Stapler unit
20000
STPL_HP (FSHPD)
Staple drive home position sensor
SLID_HP (FSTHPD)
Staple slide home position sensor
Stapler slid home position sensor
HOOK_S (FSD)
Hook sensor
SLIDMTR (FSM)
Staple shift motor
SELF_P (FSPD)
Self prime sensor
FGND #18
To Punch Unit

B. MX-RBX1


MX-RBX1
K510
PBA-RELAY1
K533
ASM-OPEN
K531
ASM-RELAY1
K535
ASM-RELAY2
292161-3
SENS5V CN302
GND CN302
OPNSEN CN302
1-292161-0
RLYM_A CN303
RLYM-*A CN303
RLYM_B CN303
RLYM-*B CN303
(JAY-15P-1A36)
CN301 SENS5V
CN301 GND
CN301 OPENSEN
CN301 GND
CN301 PASSEN
CN301 ENTSEN
CN301 SOL
CN301 +24V
RLYM-*B
RLYM_B
RLYM-*A
RLYM_A
FANALM
+5V
FAN24V
C1
0.1uF
C2
GND
R1
R2
R3
R4
R5
Q1
Q2
D1
D3
CP1
CP2
SENS5V CN303
GND CN303
PASSEN CN303
ENTSEN CN303
1-292161-1
+24V CN304
SOL CN304
+24V CN304
FANALM1 CN304
GND CN304
+24V CN304
FANALM2 CN304
GND CN304
CN304
CN304
CN304
1-173977-3 292254-3 173977-3
CN305-3 CN305-1 CN305-1 SENS5
CN305-2 CN305-2 CN305-2 GND
CN305-1 CN305-3 CN305-3 OPNSE
1-173977-1 5-292178-1 292178-1
CN306A-1 J-1 P-1
CN306A-2 J-2 P-2
CN306A-3 J-3 P-3
CN306A-4 J-4 P-4
CN306A-5 J-5 P-5
CN306A-6 J-6 P-6
CN306A-7 J-7 P-7
CN306A-8 J-8 P-8
CN306A-9 J-9 P-9
CN306A-10 J-10 P-10
CN306A-11 J-11 P-11
3-173977-1
CN306B-1 J-12 P-12
CN306B-2 J-13 P-13
CN306B-3 J-14 P-14
CN306B-4 J-15 P-15
CN306B-5 J-16 P-16
CN306B-6 J-17 P-17
CN306B-7 J-18 P-18
CN306B-8 J-19 P-19
CN306B-9 J-20 P-20
CN306B-10 J-21 P-21
CN306B-11 J-22 P-22


K534
ASM-OPEN-SEN
SENS5V
GND
OPNSEN
173977-3
CN308-3 SENS5V
CN308-2 GND
CN308-1 OPNSEN
S301
RELAY FEED UNIT COVER SENSOR
(FJPDD)
K532
ASM-RELAY-UNIT
CN307A-1
CN307A-2
CN307A-3
CN307A-4
CN307A-5
CN307A-6
CN307A-7
CN307A-8
CN307A-9
CN307A-10
CN307A-11
CN307B-1
CN307B-2
CN307B-3
CN307B-4
CN307B-5
CN307B-6
CN307B-7
CN307B-8
CN307B-9
CN307B-10
CN307B-11
ACCESSORY
179228-4
173977-3 292254-3 179227-1
CN309-4 CN309-1 CN309-1 RLYM_A
CN309-3 CN309-2 CN309-2 RLYM-*A
CN309-2 CN309-3 CN309-3 RLYM_B
CN309-1 CN309-4 CN309-4 RLYM-*B
MOT301
K550
RELAY FEED MOTOR (FJPM)
173977-3
CN310-3 SENS5V
CN310-2 GND
CN310-1 PASSEN
S303
RELAY FEED UNIT EXIT SENSOR
(FJPOD)
173977-3
CN311-3 SENS5V
CN311-2 GND
CN311-1 ENTSEN
S302
RELAY FEED UNIT ENTRANCE
(FJPID)
ACCESSORY
173977-2 292254-2 173977-2
CN312-2 CN312-1 CN312-1 +24V
CN312-1 CN312-2 CN312-2 TSOL
SOL301
K552
ENTRANCE REVERSE PASS
SOLENOID (FINRPS)
ACCESSORY
179228-3
173977-3 292254-3 179227-1
CN313-3 CN313-1 CN313-1 +24V
CN313-2 CN313-2 CN313-2 FANALM1
CN313-1 CN313-3 CN313-3 GND
FAN301
K551
REKAT FAN (FJFM)

C. AR-PN1A/B/C/D

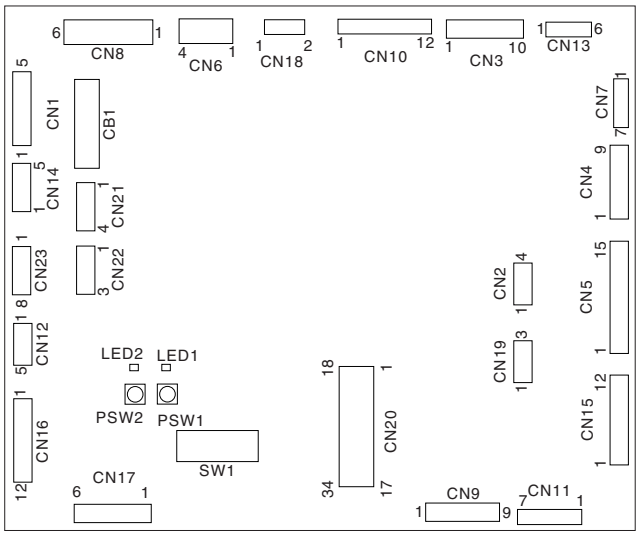

AR-PN1A/B/C/D
1/1
Photosensor circuit PCB
LED circuit PCB
Waste full photosensor circuit PCB
Waste full LED circuit PCB
FPMCK Punch motor lock sensor
FPHPD Punch home position sensor
FPSHPD Punch horizontal registration home position sensor
FPSM Punch horizontal registration motor
FPNM Punch motor
Punch controller PCB
Finisher section

3. LEDs and Check Pins by PCB

Of the LEDs and check pins used in the machine, those needed during servicing in the field are discussed.

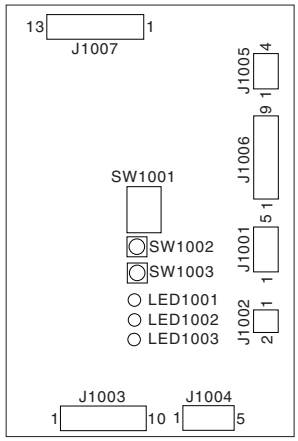
NOTE: Do not touch the check pins not found in the list herein. They are exclusively for factory use, and require special tools and a high degree of accuracy

A. Finisher Controller PCB



Switch	Description
SW1	Folding position adjustment, middle 2-point stapling adjustment etc.
PSW1	Folding position adjustment, middle 2-point stapling adjustment etc.
PSW2	Folding position adjustment, middle 2-point stapling adjustment etc.

B. Punch Controller PCB



Switch	Description
SW1001	Punch hole count registration/sensor output adjustment etc.
SW1002	Punch hole count registration/sensor output adjustment etc.
SW1003	Punch hole count registration/sensor output adjustment etc.

Memo

SHARP PARTS GUIDE

MX-FNX2
AR-PN1A / AR-PN1B
AR-PN1C / AR-PN1D
MODEL MX-RBX1

このパーツガイドに掲載されている表示価格ランクは消費税抜きです。

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4 本体機械内部 2(Internal Components 2)
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6 ﾊﾟﾝﾁｬﾄｰﾀﾙ部 (Puncher Total Assembly)[AR-PN1]
7 ｽﾀｯｸﾓｰﾀｰ駆動部 (Stack Motor Driver Assembly)
8 駆動部 (Drive Assembly)
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10 処理部 (Dispose Assembly)
11 搬送部 (Paper Feeder Assembly)
12 折り部 1/3(Fold Assembly 1/3)
13 折り部 2/3(Fold Assembly 2/3)
14 折り部 3/3(Fold Assembly 3/3)
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16 ｽﾃｲﾌﾟﾙ部 2/2(Staple Assembly 2/2)
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18 梱包 & 付属品 (Packing Material & Accessories) [AR-PN1]
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22 搬送部 No2 (TRANSPORT SECTION No.2)[MX-RBX1]
23 搬送部 No3 (TRANSPORT SECTION No.3)[MX-RBX1]
24 排紙ﾄﾚｲ & ﾚｰﾙ部 (DELIVERY PAPER TRAY & RAIL SECTION) [MX-RBX1]
25 梱包 & 付属品 (PACKING MATERIAL & ACCESSORIES) [MX-RBX1]
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補修部品のランク付

市場における補修部品の在庫管理が、適正に運営出来る手助けとなることを、目的とします。

Aランク ： メンテナンスパーツ、メンテナンスパーツには入っていないがメンテナンスパーツに近い消耗パーツ。
Bランク ： 性能・機能パーツ（センサー、クラッチ等の電気パーツ）、消耗パーツ。
Eランク ： 基板含むユニットパーツ。
Dランク ： 整備パーツ（外装、パッキング、同梱パーツ）。
Cランク ： 上記ランク以外のパーツ（基板の子部品を除いたもの）。

DEFINITION

Rank A : Maintenance parts, and consumable parts which are not included in but closely related to maintenance parts
Rank B : Performance/function parts (sensors, clutches, and other electrical parts), consumable parts
Rank E : Unit parts including PWB
Rank D : Preparation parts (External fitting, packing, parts packed together)
Rank C : Parts other than the above (excluding sub components of PWB)

安全性・信頼性確保のため部品は、必ず正規のものをご使用下さい。
⚠ 印の商品は、安全上重要な部品です。交換をする時は、安全及び性能維持のため必ず指定の部品をご使用下さい。

Because parts marked with "⚠" is indispensable for the machine safety maintenance and operation, it must be replaced with the parts specific to the product specification.

○ 当モデルのサービス資料には、この資料以外にサービスマニュアル（回路図含む）があります。合わせてご利用下さい。
○ Other than this Parts Guide, please refer to documents Service Manual(including Circuit Diagram)of this model.
○ Please use the 13 digit code described in the right hand corner of front cover of the document, when you place an order.
○ For U.S. only-Use order codes provided in advertising literature. Do not order from parts department.

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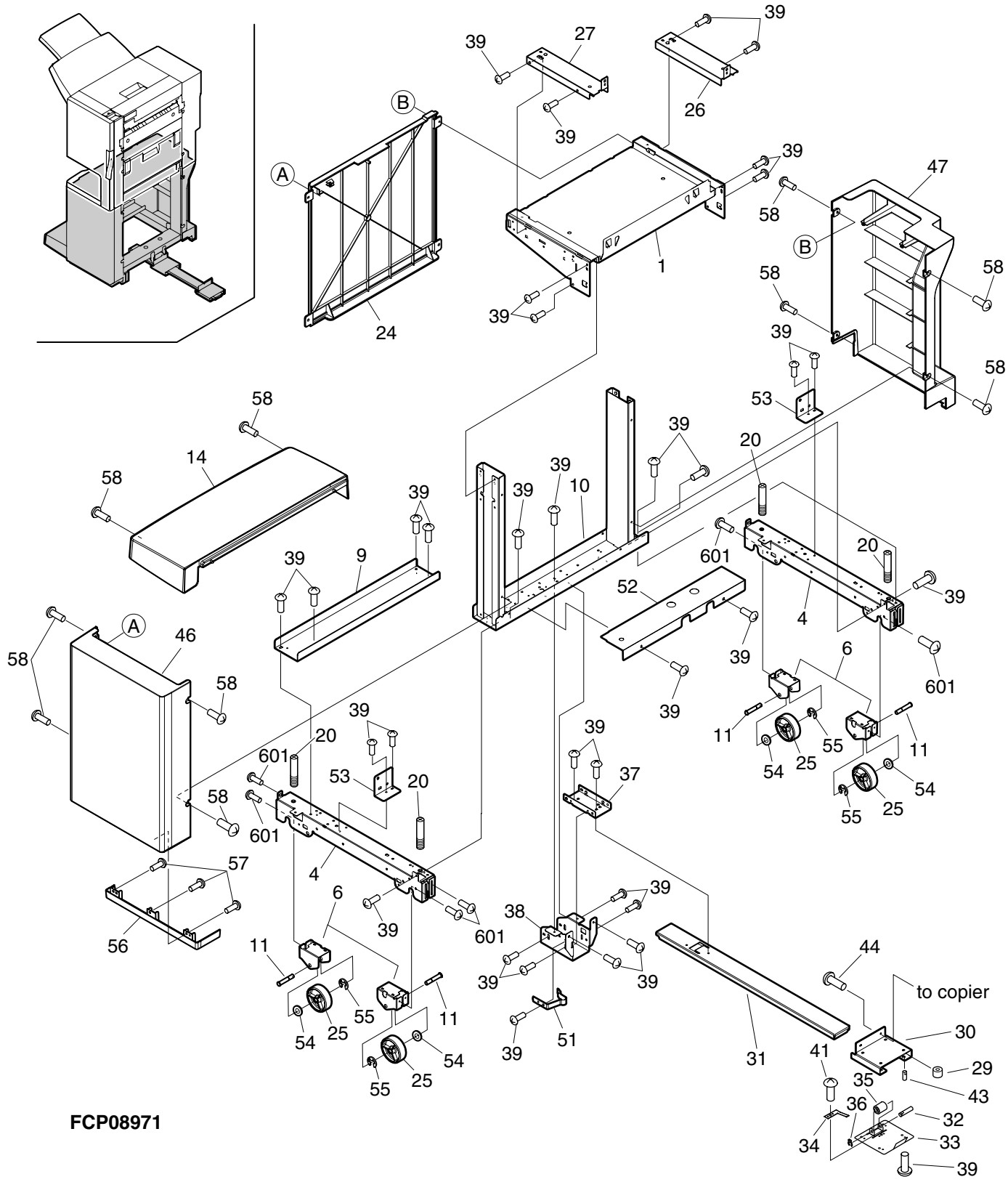
1 取り付けｷｯﾄ (Mounting Hardware)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4A18928000	BD	GN		C	BASE	ﾍﾞｰｽ
4	0CW4144P004//	BA	FX	N	C	STAND FOOT	ｽﾀﾝﾄﾞ足
6	0CW4A18919000	AN	EG		C	CASTER BRACKET	ｷｬｽﾀｰﾌﾞﾗｹｯﾄ
9	0CW4B10389000	AU	EZ		C	STAY	ｽﾃｰ
10	0CW4144K100//	BK	HC	N	C	FRAME	ﾌﾚｰﾑ
11	0CW4A18920000	AH	DX		C	BRACKET PIN	ﾌﾞﾗｹｯﾄﾋﾟﾝ
14	0CW4144P253//	BC	GD	N	D	FOOT COVER	足ｶﾊﾞｰ
20	0CW4B10391000	AD	DJ		C	AJUST SCREW	調整ﾈｼﾞ
24	0CW4144P251//	BC	GJ	N	D	COVER	ｶﾊﾞｰ
25	0CW4A18921000	AH	DX		C	CASTER	ｷｬｽﾀｰ
26	0CW4A18926000	AK	EB		C	BRACKET FRONT	ﾌﾞﾗｹｯﾄ前
27	0CW4A18927000	AK	EB		C	BRACKET REAR	ﾌﾞﾗｹｯﾄ後
29	0CWFS26593000	AD	DJ		C	GUIDE ROLLER	ｶﾞｲﾄﾞｺﾛ
30	0CW4A18934000	AR	EQ		C	PLATE RAIL GUIDE	ﾚｰﾙｶﾞｲﾄﾞ
31	0CW4A18936000	AX	FG		C	PLATE GUIDE RAIL	ｶﾞｲﾄﾞﾚｰﾙ
32	0CW4A18938000	AH	DX		C	SHAFT ROLLER	ｺﾛ軸
33	0CW4A18937000	AN	EQ		C	PLATE ROLLER	ｺﾛ支板
34	0CW4A18910000	AH	DX		C	EARTH SPRING	ｱｰｽ板ﾊﾞﾈ
35	0CW4A18939000	AF	DS		C	ROLLER	ｺﾛ
36	0CWFC30661000	AC	DJ		C	CLIP	ｸﾘｯﾌﾟ
37	0CW4A18923000	AM	EG		C	BRACKET	ﾌﾞﾗｹｯﾄ
38	0CW4144P005//	AU	FG	N	C	BRACKET	ﾌﾞﾗｹｯﾄ
39	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
41	0CWFC30779000	AC	DJ		C	SCREW(M3×6)	ﾋﾞｽ
43	0CW4A18935000	AF	DS		C	SHAFT ROLLER	ｺﾛ軸
44	0CW4A12609000	AC	DJ		C	SCREW(M4×18)	ﾋﾞｽ
46	0CW4144P250//	BD	GN	N	D	FRONT LOWER COVER	前下ｶﾊﾞｰ
47	0CW4144P254//	BF	GN	N	D	REAR LOWER COVER	後下ｶﾊﾞｰ
51	0CW4134P042//	AN	EQ		D	EARTH PLATE SPRING	ｱｰｽ板ｽﾌﾟﾘﾝｸﾞ
52	0CW4144P002//	AP	EQ	N	C	FRAME COVER	ﾌﾚｰﾑｶﾊﾞｰ
53	0CW4144P003//	AL	EB	N	C	COVER BRACKET	中央ｶﾊﾞｰﾌﾞﾗｹｯﾄ
54	0CWHW080FWS//	AC	DJ	N	C	WASHER(HW-80)	ﾜｯｼｬｰ
55	0CWCLP00010//	AD	DJ	N	C	E-RING	Eﾘﾝｸﾞ
56	0CW4144P252//	AM	EG	N	C	LOWER COVER	下ｶﾊﾞｰ
57	0CW040120FNBB	AB	DJ		C	TAPPING SCREW	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ
58	0CW040100FNBi	AA	DD		C	SCREW	ﾋﾞｽ
601	0CW040080FZWS	AA	DD		C	SCREW(M3×8)	ﾋﾞｽ

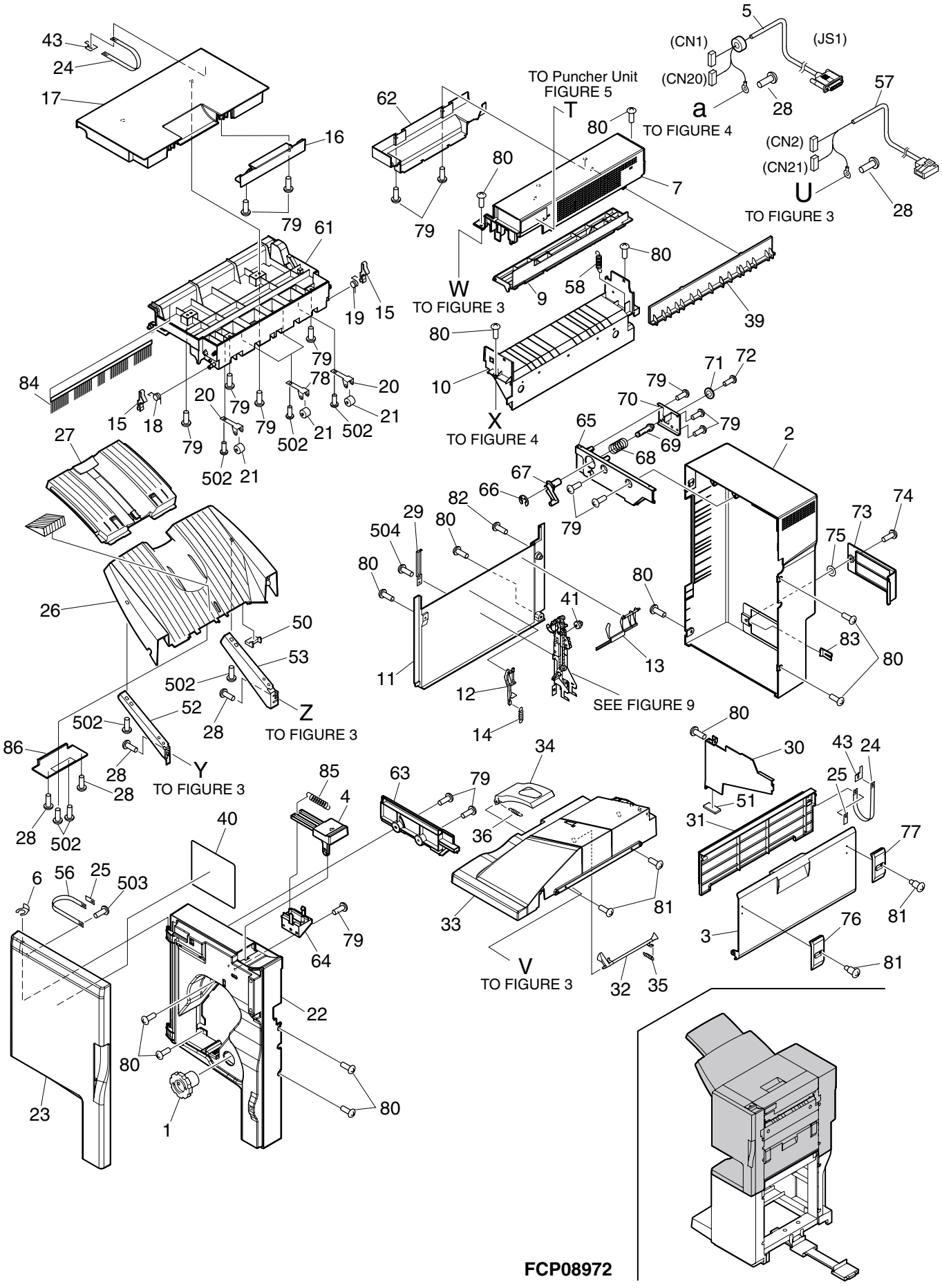
1 取り付けｷｯﾄ (Mounting Hardware)



2 外装ｶﾊﾞｰ (Exteriors Covers,Panels etc.)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4A18857000	AG	DX		C	JAM CLEANING KNOB	JAM 処理ﾉﾌﾞ
2	0CW4144P202//	BK	HG	N	D	REAR COVER	後ｶﾊﾞｰ
3	0CW4144P726//	AY	FQ	N	D	FRAME JAM COVER	ﾌﾚｰﾑ JAM ｶﾊﾞｰ
4	0CW4144P210//	AL	EB	N	D	LATCH HANDLE	ﾗｯﾁﾊﾝﾄﾞﾙ
5	0CW4144K502//	BA	FX	N	C	INTERFACE HARNESS	ｲﾝﾀｰﾌｪｲｽﾊｰﾈｽ
6	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
7	0CW4144P206//	BA	FX	N	D	DUMMY PUNCHER COVER	ﾀﾞﾐｰﾊﾟﾝﾁｬｶﾊﾞｰ
9	0CW4144P763//	AT	EZ	N	C	DUMMY PUNCH GUIDE UPPER	ﾀﾞﾐｰﾊﾟﾝﾁｶﾞｲﾄﾞ上
10	0CW4144P391//	BA	FX	N	C	DUMMY PUNCH GUIDE	ﾀﾞﾐｰﾊﾟﾝﾁｶﾞｲﾄﾞ
11	0CW4144P235//	BA	FX	N	D	SIDE COVER	横ｶﾊﾞｰ
12	0CW4A17291000	AE	DS		C	TRAY UP/DOWN EMPTY LEVER	ﾄﾚｲ昇降ｴﾝﾌﾟﾃｨﾚﾊﾞｰ
13	0CW4B10780000	AF	DS		C	PAPER SENSING FLAG REAR	紙検知ﾌﾗｸﾞ後
14	0CW4A17415000	AG	DS		C	TENSION SPRING	引張ﾊﾞﾈ
15	0CW4A17378000	AD	DJ		C	UPPER COVER LATCH	上ｶﾊﾞｰﾗｯﾁ
16	0CW4144P205//	AK	EB	N	D	UPPER COVER HANDLE	上ｶﾊﾞｰ取手
17	0CW4144P203//	BB	GD	N	D	UPPER COVER	上ｶﾊﾞｰ
18	0CW4S12048000	AL	EB		C	TENSION SPRING F	ﾈｼﾞﾘﾊﾞﾈ F
19	0CW4S12049000	AL	EB		C	TENSION SPRING R	ﾈｼﾞﾘﾊﾞﾈ R
20	0CW4A17195000	AF	DS		C	ROLLER HOLDER	ｺﾛﾎﾙﾀﾞｰ
21	0CW4A17317000	AC	DJ		C	PAPER FEED ROLLER	搬送ｺﾛ
22	0CW4144P200//	BF	GN	N	D	FRONT COVER	前ｶﾊﾞｰ
23	0CW4144P201//	BE	GN	N	D	FRONT OPEN COVER	前ｵｰﾌﾟﾝｶﾊﾞｰ
24	0CW4A18313000	AE	DJ		C	COVER BAND	ｶﾊﾞｰｽﾄﾗｯﾌﾟ
25	0CW4B10585000	AD	DJ		C	SUPPORT PANEL BAND 2	ｶﾊﾞｰｽﾄﾗｯﾌﾟｻﾎﾟｰﾄ2
26	0CW4144P727//	BE	GN	N	C	STACK TRAY 1	ｽﾀｯｸﾄﾚｲ 1
27	0CW4144P728//	BA	FX	N	C	STACK TRAY 2	ｽﾀｯｸﾄﾚｲ 2
28	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
29	0CW4A17424000	AF	DS		C	EARTH PLATE	ｱｰｽ板
30	0CW4144P393//	AS	EQ	N	D	DOME PLATE 1	ﾄﾞｰﾑ板 1
31	0CW4144P394//	AX	FG	N	D	DOME PLATE 2	ﾄﾞｰﾑ板 2
32	0CW4A17270000	AG	DS		C	BASE TRAY FLAG	ﾍﾞｰｽﾄﾚｲﾌﾗｸﾞ
33	0CW4144P213//	BC	GJ	N	C	SADDLE TRAY	ｻﾄﾞﾙﾄﾚｲ
34	0CW4144P381//	AK	EB	N	C	STOPPER ARM	ｽﾄｯﾊﾟｱｰﾑ
35	0CW4A17400000	AC	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
36	0CW4A17408000	AD	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
39	0CW4A18338010	AH	DX		C	DUMMY PUNCHER PAPER GUIDE	ﾀﾞﾐｰﾊﾟﾝﾁ紙ｶﾞｲﾄﾞ
40	0CW4144P433//	AY	FQ	N	D	STAPLE REMOVING LABEL	JAM 処理ﾗﾍﾞﾙ
41	0CW4A17284000	AD	DJ		C	GEAR(48T/15T)	ｷﾞｱ
43	0CW4B10584000	AD	DJ		C	SUPPORT PANEL BAND 1	ｶﾊﾞｰｽﾄﾗｯﾌﾟｻﾎﾟｰﾄ1
50	0CW4B10851000	AD	DX		C	TRAY RIB SMALL	ﾄﾚｲﾘﾌﾞ小
51	0CW4B10845000	AD	DJ		C	SPONGE	ｽﾎﾟﾝｼﾞ
52	0CW4B10395000	AL	EB		C	TRAY BRACKET F	ﾄﾚｲﾌﾞﾗｹｯﾄ F
53	0CW4B10394000	AL	EB		C	TRAY BRACKET R	ﾄﾚｲﾌﾞﾗｹｯﾄ R
56	0CW4144P217//	AE	DS	N	C	FRONT COVER BAND	前ｶﾊﾞｰｽﾄﾗｯﾌﾟ
57	0CW4144K501//	BC	GJ	N	C	CONNECTION HARNESS	中継ﾕﾆｯﾄ接続ﾊｰﾈｽ
58	0CW4A17380000	AD	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
61	0CW4144P204//	BC	GD	N	D	UPPER COVER GUIDE	上ｶﾊﾞｰｶﾞｲﾄﾞ
62	0CW4144P207//	AR	EQ	N	C	DUCT PUNCH	ﾊﾟﾝﾁﾀﾞｸﾄ
63	0CW4144P208//	AN	EQ	N	D	FRONT UPPER COVER	前上ｶﾊﾞｰ
64	0CW4144P211//	AH	DX	N	C	LATCH HOLDER	ﾗｯﾁﾎﾙﾀﾞｰ
65	0CW4144P209//	AP	EQ	N	D	REAR UPPER COVER	後上ｶﾊﾞｰ
66	0CWER060SKN//	AA	DJ	N	C	E-RING(ER-060)	Eﾘﾝｸﾞ
67	0CW4144P216//	AF	DS	N	C	FUNCTIONAL LEVER	機能部ﾚﾊﾞｰ
68	0CW4144P401//	AH	DX	N	C	FUNCTIONAL SPRING	機能部ｽﾌﾟﾘﾝｸﾞ
69	0CW4144P100//	AZ	FQ	N	C	FUNCTIONAL SHAFT	機能部ｼｬﾌﾄ
70	0CW4144P007//	AG	DX	N	C	FUNCTIONAL BRACKET	機能部ﾌﾞﾗｹｯﾄ
71	0CW4099Q031//	AD	DJ	N	C	WASHER	ｼｬﾌﾄ固定ﾜｯｼｬｰ
72	0CW040100FWWS	AC	DJ	N	C	SCREW	ｼｬﾌﾄ固定ﾋﾞｽ
73	0CW4144P214//	AP	EQ	N	D	MAINTENANCE COVER	ﾒﾝﾃﾅﾝｽｶﾊﾞｰ
74	0CW0412FNBiT2	AC	DJ	N	C	SCREW	ﾋﾞｽ
75	0CW3090P360//	AD	DJ		C	WASHER	ﾜｯｼｬｰ
76	0CW4144P220//	AH	DX	N	D	FRONT JAM SUB COVER	前 JAM ｻﾌﾞｶﾊﾞｰ
77	0CW4144P222//	AH	DX	N	D	REAR JAM SUB COVER	後 JAM ｻﾌﾞｶﾊﾞｰ
78	0CW4113P027A/	AK	DX		C	ROLLER PLATE SPRING	ｺﾛ板ﾊﾞﾈ
79	0CW040120FNBB	AB	DJ		C	TAPPING SCREW	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ
80	0CW040060FNBi	AA	DD		C	SCREW	ﾋﾞｽ
81	0CWXB47401006	AB	DJ		C	SCREW TAPPING	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ
82	0CW4048P076//	AD	DJ	N	C	SCREW	ﾋﾞｽ
83	0CW4144P950//	AC	DJ	N	C	SPEED NUT	ｽﾋﾟｰﾄﾞﾅｯﾄ
84	0CW4144P469//	BC	GJ	N	B	DISCHARGE BRUSH	除電ﾌﾞﾗｼ
85	0CW4144P402//	AE	DS	N	C	LATCH HANDLE SPRING	ﾗｯﾁﾊﾝﾄﾞﾙｽﾌﾟﾘﾝｸﾞ
86	0CW4110P026//	AM	EG	N	C	TRAY STAY	ﾄﾚｲｽﾃｲ
502	0CWXB47401007	AB	DJ		C	SCREW TAPPING(M4×10)	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ
503	0CWXB47300607	AB	DJ		C	SCREW TAPPING(M3×6)	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ
504	0CW4B10848000	AB	DJ		C	SCREW(M4×6)	ﾋﾞｽ

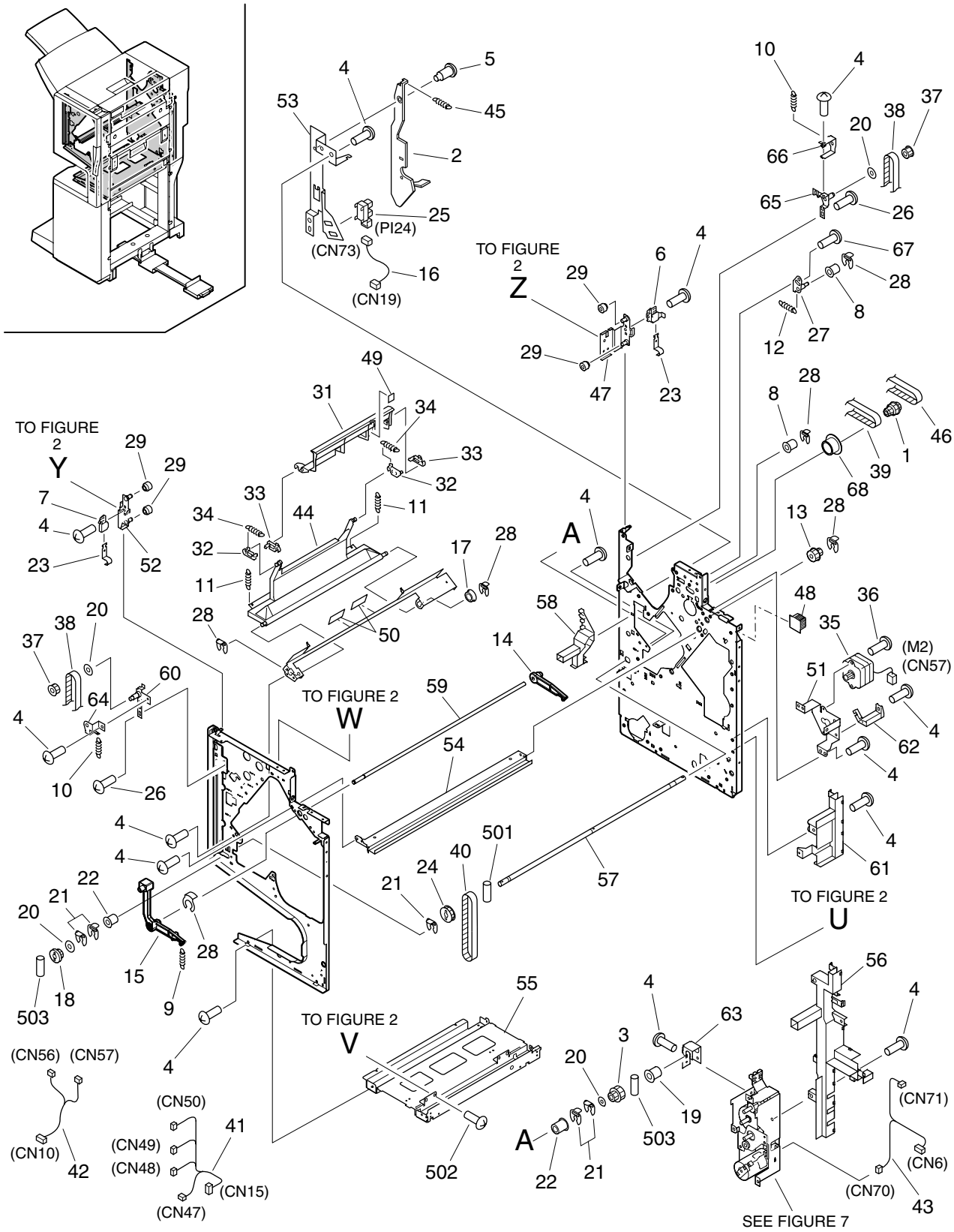
2 外装ｶﾊﾞｰ (Exteriors Covers,Panels etc.)



3 本体機械内部 1 (Internal Components 1)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4109P247//	AY	FQ	N	C	GEAR(24T)	ｷﾞｱ
2	0CW4A17577000	AE	DS		C	STACK LEVER	ｽﾀｯｸﾚﾊﾞｰ
3	0CW4A17259000	AD	DJ		C	GEAR(16T/18T)	ｷﾞｱ
4	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
5	0CWFS19009000	AC	DJ		C	SCREW STEPPED(M3)	ﾀﾞﾝﾋﾞｽ
6	0CW4A17353010	AE	DJ		C	BELT HOLDER REAR	ﾍﾞﾙﾄﾎﾙﾀﾞｰ後
7	0CW4A17354000	AE	DJ		C	BELT HOLDER FRONT	ﾍﾞﾙﾄﾎﾙﾀﾞｰ前
8	0CW4A17371000	AC	DJ		C	TENSIONER ROLLER	ﾃﾝｼｮﾅｺﾛ
9	0CW4144P400//	AD	DJ	N	C	LATCH SPRING	ﾗｯﾁﾊﾞﾈ
10	0CW4A17414000	AD	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
11	0CW4A17417000	AD	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
12	0CW4A17419000	AD	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
13	0CW4109P248//	AV	FG	N	C	GEAR(18T/24T)	ｷﾞｱ
14	0CW4A17517000	AE	DS		C	LATCH	ﾗｯﾁ
15	0CW4144P212//	AG	DX	N	C	LATCH ARM	ﾗｯﾁｱｰﾑ
16	0CW4H16512000	AF	DS		C	CABLE STACK SENSOR	ｽﾀｯｸｾﾝｻｰ束線
17	0CW4A17523000	AC	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
18	0CW4A17524000	AD	DJ		C	PULLEY(18T)	ﾌﾟｰﾘｰ
19	0CW4A17528000	AC	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
20	0CW4A17542000	AC	DJ		C	FLANGE	ﾌﾗﾝｼﾞ
21	0CW4A17567000	AD	DJ		C	CLIP SHAFT	軸ｸﾘｯﾌﾟ
22	0CW4A17572000	AE	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
23	0CW4A17691000	AC	DJ		C	LEAF SPRING	板ﾊﾞﾈ
24	0CW4A17288000	AD	DJ		C	PULLEY(40T)	ﾌﾟｰﾘｰ
25	0CWWG85362000	AH	DX		B	PHOTO INTERRUPTER(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
26	0CW4S19077000	AC	DJ		C	SCREW(M4×8)	ﾋﾞｽ
27	0CW4F11556000	AG	DX		C	PLATE PAPER FEED TENSIONER	搬送ﾃﾝｼｮﾅ板
28	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
29	0CW4A17265000	AC	DJ		C	RAIL ROLLER	ﾚｰﾙｺﾛ
31	0CW4A17318000	AK	DX		C	STOPPER GUIDE	処理ｽﾄｯﾊﾟｶﾞｲﾄﾞ
32	0CW4A17539000	AK	DX		C	LINK 1	ﾘﾝｸ 1
33	0CW4A17540000	AC	DJ		C	LINK 2	ﾘﾝｸ 2
34	0CW4A17549000	AC	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
35	0CW4K11080000	BF	GN		B	STEPPING MOTOR	ｽﾃｯﾋﾟﾝｸﾞﾓｰﾀｰ
36	0CWFC25034000	AB	DJ		C	SCREW W/WASHER(M3×6)	ﾊﾞﾈ付ﾅﾍﾞﾋﾞｽ
37	0CW4A17355000	AD	DJ		C	PULLEY(18T)	ﾌﾟｰﾘｰ
38	0CWXF21817960	AS	EZ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
39	0CWXF21619860	AQ	EQ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
40	0CWXF21618840	AP	EQ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
41	0CW4H16460000	AP	EQ		C	CABLE SENSOR	ｾﾝｻｰ束線
42	0CW4H16602000	AU	EZ		C	BUNDLE WIRE FOR THE PADDLE MOTOR	ﾊﾞﾝﾄﾞﾙﾜｲﾔｰ
43	0CW4H16467000	AP	EQ		C	CABLE DC MOTOR	DC ﾓｰﾀｰ束線
44	0CW4A17321000	AR	EQ		C	STOPPER ARM	ｽﾄｯﾊﾟｱｰﾑ
45	0CW4A17400000	AC	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
46	0CWXF21605040	AL	EB		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
47	0CW4F11882000	AT	EZ		C	TRAY STAY F	ﾄﾚｲｽﾃｲ F
48	0CW4144P016//	AG	DX	N	C	LATCH GUIDE PIN	ﾗｯﾁﾋﾟﾝｶﾞｲﾄﾞ
49	0CW4A17578000	AD	DJ		C	PAD	ﾊﾟｯﾄﾞ
50	0CW4B10785000	AC	DJ		C	PAD	ﾊﾟｯﾄﾞ
51	0CW4B10390000	AN	EQ		C	MOTOR PLATE	ﾓｰﾀｰﾌﾟﾚｰﾄ
52	0CW4F11883000	AN	EQ		C	TRAY STAY R	ﾄﾚｲｽﾃｲ R
53	0CW4A17576000	AH	DX		C	STACK LEVER BRACKET	ｽﾀｯｸﾚﾊﾞｰﾌﾞﾗｹｯﾄ
54	0CW4A17482000	AP	EQ		C	FR-ST STAY	FR-ST ｽﾃｲ
55	0CW4A17491000	AW	FG		C	STAY FRAME	ｽﾃｲﾌﾚｰﾑ
56	0CW4A17511000	AR	EQ		C	FR DUCT RU	FR ﾀﾞｸﾄ RU
57	0CW4A17217000	AV	FG		C	STACK SHAFT	ｽﾀｯｸ軸
58	0CW4A17510000	AK	DX		C	CABLE GUIDE(MIDDLE REAR)	束線ｶﾞｲﾄﾞ (中後)
59	0CW4A17253000	AS	EZ		C	FRAME LATCH SHAFT	ﾌﾚｰﾑﾗｯﾁ軸
60	0CW4F11560000	AH	DX		C	PULLEY SUPPORT PLATE(FRONT LOWER)	ﾌﾟｰﾘｰ支板 (前下)
61	0CW4A17512000	AE	DJ		C	CABLE GUIDE(REAR LOWER)	束線ｶﾞｲﾄﾞ (後下)
62	0CW4A17543000	AE	DS		C	CABLE GUIDE	束線ｶﾞｲﾄﾞ
63	0CW4A17489000	AG	DS		C	STACK MOTOR REINFORCEMENT PLATE	ｽﾀｯｸﾓｰﾀｰ補強板
64	0CW4A17474000	AG	DS		C	RISE AND FALL SUPPORT PLATE(FRONT)	昇降押え板 (前)
65	0CW4F11558000	AH	DX		C	PULLEY SUPPORT PLATE(REAR LOWER)	ﾌﾟｰﾘｰ支板 (後下)
66	0CW4A17475000	AH	DX		C	TS SUPPORT PLATE(REAR)	TS 押え板 (後)
67	0CW4109P427//	AC	DJ	N	C	SCREW(M4×7)	ﾋﾞｽ
68	0CW4109P207//	AD	DJ	N	C	SPACER COLLAR	ｽﾍﾟｰｻｰｶﾗｰ
501	0CWXD32200142	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ
502	0CWXB47401007	AB	DJ		C	SCREW TAPPING(M4×10)	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ
503	0CWXD12300142	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ

3 本体機械内部 1 (Internal Components 1)

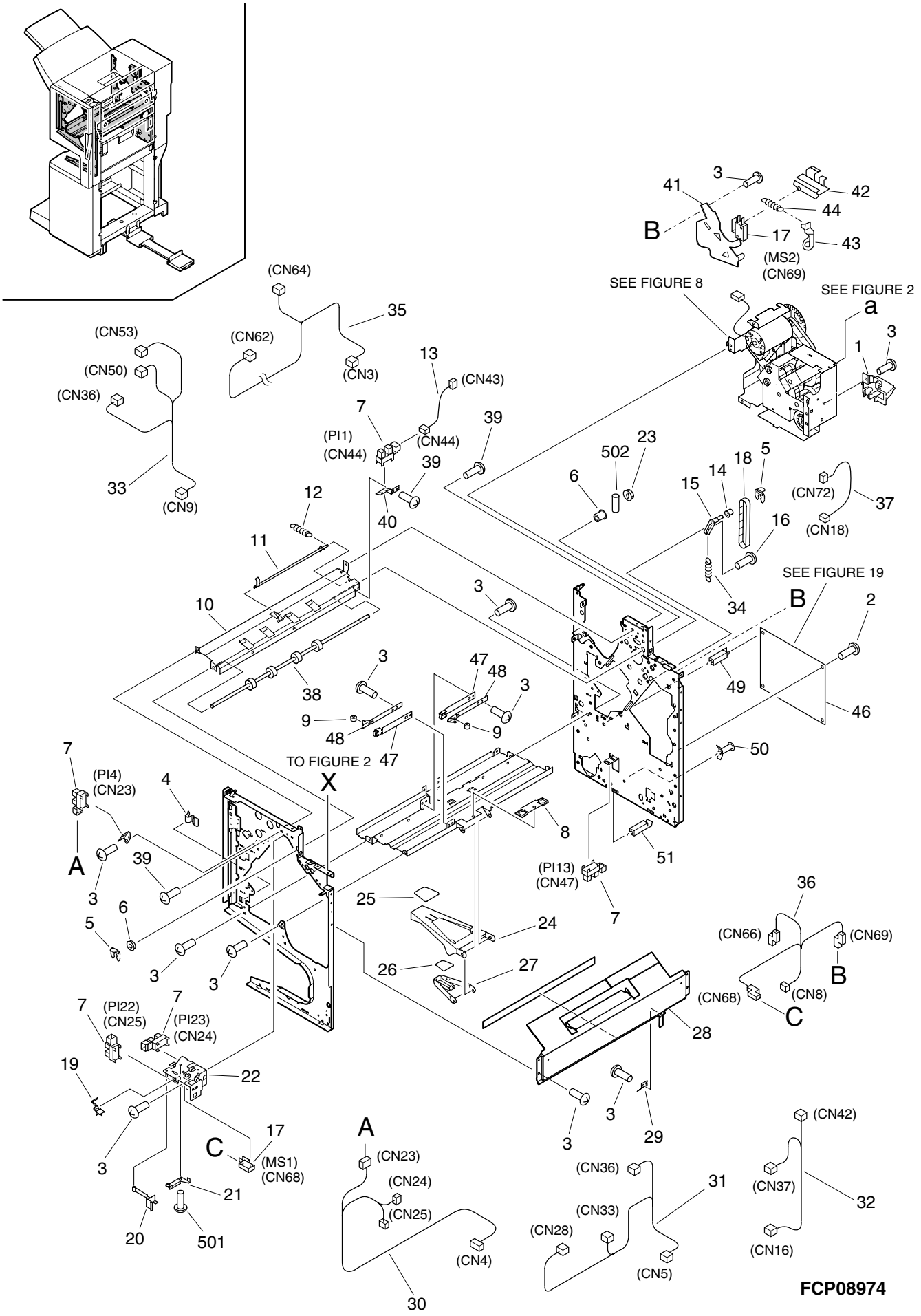


FCP08973

4 本体機械内部 2 (Internal Components 2)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4144P705//	AL	EB	N	D	INTERFACE HOLDER	ｲﾝﾀｰﾌｪｲｽﾎﾙﾀﾞｰ
2	0CW4S19077000	AC	DJ		C	SCREW(M4×8)	ﾋﾞｽ
3	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
4	0CW4B10586010	AC	DJ		C	PLATE STAPLER FRAME STOPPER	ｽﾃｲﾌﾟﾗﾌﾚｰﾑ ｽﾄｯﾊﾟ
5	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
6	0CWFS21672000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
7	0CWWG85362000	AH	DX		B	PHOTO INTERRUPTER(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
8	0CW4A18316000	AD	DJ		D	BLANKING COVER	目隠しｶﾊﾞｰ
9	0CW4A17515000	AC	DJ		C	FRAME TRAY ROLLER	処理ﾄﾚｲｺﾛ
10	0CW4A17172010	AN	EQ		C	PAPER GUIDE LOWER	通紙ｶﾞｲﾄﾞ下
11	0CW4A17349000	AF	DS		C	SENSOR FLAG	ｾﾝｻｰﾌﾗｸﾞ
12	0CW4A17418000	AD	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
13	0CW4H16454000	AE	DS		C	CABLE SENSOR	ｾﾝｻｰ束線
14	0CW4A17371000	AC	DJ		C	TENSIONER ROLLER	ﾃﾝｼｮﾅｺﾛ
15	0CW4F11557000	AH	DX		C	PLATE PAPER FEED TENSIONER 2	搬送ﾃﾝｼｮﾅ板 2
16	0CW4060P027//	AB	DJ	N	C	SCREW	ﾋﾞｽ
17	0CW4H16449010	AM	EG		B	MICROSWITCH	ﾏｲｸﾛｽｲｯﾁ
18	0CWXF21607440	AK	DX		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
19	0CW4A17505000	AD	DJ		C	TOP SENSOR FLAG	ﾄｯﾌﾟｾﾝｻｰﾌﾗｸﾞ
20	0CW4A17506000	AE	DS		C	SWITCH LEVER	ｽｲｯﾁﾚﾊﾞｰ
21	0CW4A17507000	AD	DJ		C	LEVER SUPPORT HOLDER	ﾚﾊﾞｰ押えﾎﾙﾀﾞｰ
22	0CW4A17508000	AG	DX		C	SENSOR/MICROSWITCH HOLDER	ｾﾝｻｰ/ﾏｲｸﾛｽｲｯﾁﾎﾙﾀﾞｰ
23	0CW4144P314//	AD	DJ	N	C	ROLLER GEAR(24T)	ﾛｰﾗｰｷﾞｱ
24	0CW4144P215//	AL	EB	N	C	PAPER WEIGHT GUIDE 1	重りｶﾞｲﾄﾞ 1
25	0CW4A17495000	AD	DJ		C	WEIGHT PLATE 1	重り板 1
26	0CW4A17496000	AD	DJ		C	WEIGHT PLATE 2	重り板 2
27	0CW4144P751//	AG	DX	N	C	PAPER WEIGHT GUIDE 2	重りｶﾞｲﾄﾞ 2
28	0CW4A17488000	AV	FG		D	FRAME COVER	ﾌﾚｰﾑｶﾊﾞｰ
29	0CW4A18314000	AC	DJ		C	LEAF EARTH COVER	ｱｰｽ板ﾊﾞﾈ
30	0CW4H16452000	AQ	EQ		C	FRONT DOOR SENSOR CABLE	前ﾄﾞｱｾﾝｻｰ束線
31	0CW4H16453000	AU	EZ		C	LEVER TRAY SENSOR CABLE	ﾚﾊﾞｰﾄﾚｲｾﾝｻｰ束線
32	0CW4H16461000	AN	EQ		C	SENSOR CABLE 2	ｾﾝｻｰ束線 2
33	0CW4H16462000	AL	EB		C	SENSOR CABLE 3	ｾﾝｻｰ束線 3
34	0CW4A17409000	AD	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
35	0CW4H16465000	AQ	EQ		C	JOG MOTOR CABLE	ｼﾞｮｸﾞﾓｰﾀｰ束線
36	0CW4H16553000	AS	EQ		C	SWITCH CABLE	ｽｲｯﾁ束線
37	0CW4134K328//	AF	DS		C	BIND CLUTCH CABLE	ﾊﾞｲﾝﾄﾞｸﾗｯﾁ束線
38	0CW4116P405B/	BA	FX		C	PAPER FEED ROLLER	搬送ﾛｰﾗｰ
39	0CW4048P300//	AC	DJ		C	SCREW	ﾋﾞｽ
40	0CW4A17467000	AF	DS		C	SENSOR BRACKET	ｾﾝｻｰﾌﾞﾗｹｯﾄ
41	0CW4A18951000	AG	DX		C	JOINT-SWITCH HOLDER	ｼﾞｮｲﾝﾄｽｲｯﾁﾎﾙﾀﾞｰ
42	0CW4A18948000	AN	EG		C	GROUNDING PLATE	ｸﾞﾗｳﾝﾃﾞｨﾝｸﾞﾌﾟﾚｰﾄ
43	0CW4A18869000	AE	DS		C	SWITCH LEVER	ｽｲｯﾁﾚﾊﾞｰ
44	0CW4A18863000	AE	DJ		C	SPRING	ｽﾌﾟﾘﾝｸﾞ
46	0CW4144K302//	CE	UF	N	E	DC CONTROLLER PWB ASSEMBLY	DC ｺﾝﾄﾛｰﾗｰ回路基板
47	0CW4A17426000	AH	DX		C	PROCESSING TRAY FRAME LOCK PLATE 2	処理ﾄﾚｲﾌﾚｰﾑﾛｯｸ板 2
48	0CW4A17425000	AE	DS		C	PROCESSING TRAY FRAME LOCK PLATE 1	処理ﾄﾚｲﾌﾚｰﾑﾛｯｸ板 1
49	0CWVT25019030	AE	DS		C	SLIP GUIDE	ｽﾘｯﾌﾟｶﾞｲﾄﾞ
50	0CWVT20002018	AE	DJ		C	PWB SPACER	基板ｽﾍﾟｰｻｰ
51	0CWVT25171030	AE	DS		C	PWB SPACER	基板ｽﾍﾟｰｻｰ
501	0CWXB47401007	AB	DJ		C	SCREW TAPPING(M4×10)	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ
502	0CWXD32200122	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ

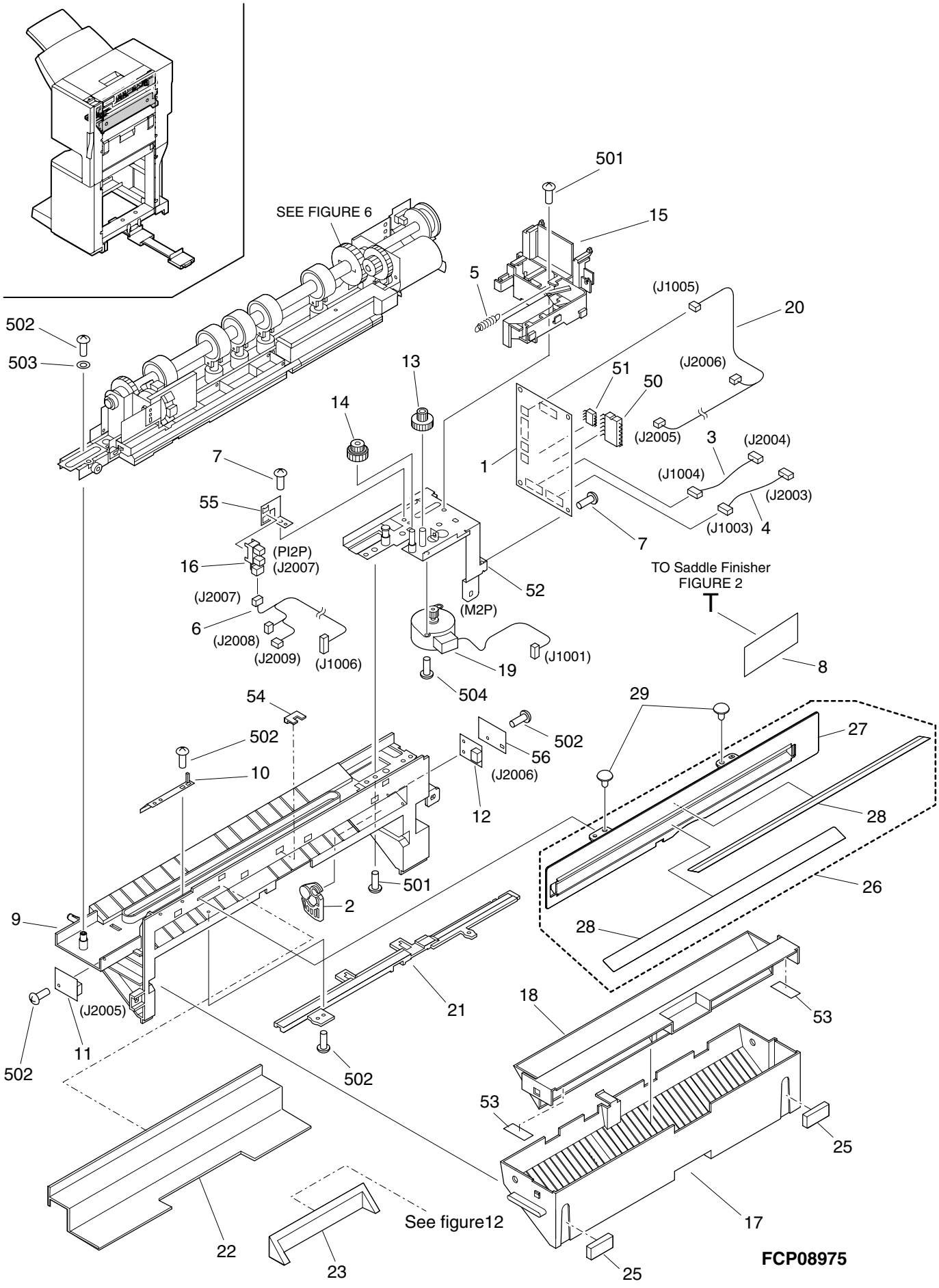
4 本体機械内部 2 (Internal Components 2)



5 ﾊﾟﾝﾁｬ部 (Puncher Assembly)[AR-PN1]

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4G11297020	CA	TR		E	PUNCHER CONTROLLER PWB ASSEMBLY	ﾊﾟﾝﾁｬｺﾝﾄﾛｰﾗｰ回路基板
2	0CW4A18685000	AF	DS		C	PUNCHER SHUTTER	ﾊﾟﾝﾁｬｼｬｯﾀｰ
3	0CW4H16514000	AP	EQ		C	CABLE POWER CONNECTING	電源中継束線
4	0CW4H16515000	AH	DX		C	CABLE INTERFACE	ｲﾝﾀｰﾌｪｲｽ束線
5	0CW4A18683000	AE	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
6	0CW4H16524000	AV	FG		C	CABLE SENSOR	ｾﾝｻｰ束線
7	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
8	0CW4B10489000	AF	DS		D	LABEL	ﾊﾟﾝﾁｸｽﾞｽﾃﾗﾍﾞﾙ
9	0CW4A18672000	AY	FQ		C	PUNCHER MOUNT	ﾊﾟﾝﾁｬ台
10	0CW4A18673000	AF	DS		D	HARNESS COVER	ﾊｰﾈｽｶﾊﾞｰ
11	0CW1020K367//	AP	EQ	N	E	DUST LED PWB UNIT	ﾀﾞｽﾄ LED 回路基板
12	0CW1020K369//	AP	EQ	N	E	DUST PTR PWB UNIT	ﾀﾞｽﾄ PTR 回路基板
13	0CW4A18679000	AF	DS		C	GEAR(16T/33T)	ｷﾞｱ
14	0CW4A18680000	AF	DS		C	GEAR(19T/32T)	ｷﾞｱ
15	0CW4A18681000	AM	EG		C	PUNCHER DUCT	ﾊﾟﾝﾁｬﾀﾞｸﾄ
16	0CWWG85362000	AH	DX		B	PHOTO INTERRUPTER(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
17	0CW4A18686000	AT	EZ		D	DUST BOX PANEL	ﾀﾞｽﾄﾎﾞｯｸｽ
18	0CW4B10495000	AQ	EQ		D	DUST BOX COVER	ﾀﾞｽﾄﾎﾞｯｸｽｶﾊﾞｰ
19	0CW4K11078000	BB	FX		B	STEPPING MOTOR	ｽﾃｯﾋﾟﾝｸﾞﾓｰﾀｰ
20	0CW4H16530000	AG	DX		C	CABLE DUST SENSOR	ｸｽﾞ検知束線
21	0CW4A18704000	AN	EQ		D	PUNCHER BASE COVER	ﾊﾟﾝﾁｬﾍﾞｰｽｶﾊﾞｰ
22	0CW4A18708000	AY	FQ		C	DUST BOX MYLAR	ﾀﾞｽﾄﾎﾞｯｸｽﾏｲﾗｰ
23	0CW4B10847000	AF	DS		D	DUST-BOX RUBBER	ﾀﾞｽﾄﾎﾞｯｸｽﾗﾊﾞｰ
25	0CW4B10493000	AE	DS		C	DUST BOX SPONGE	ﾀﾞｸﾄﾎﾞｯｸｽｽﾎﾟﾝｼﾞ
26	0CW4144K146//	AW	FG	N	E	PUNCHER GUIDE UNIT	ﾊﾟﾝﾁ入口ｶﾞｲﾄﾞﾕﾆｯﾄ
27	0CW4144P245//	AS	EZ	N	C	PUNCHER GUIDE	ﾊﾟﾝﾁ入口ｶﾞｲﾄﾞ
28	0CW4144P445//	AH	DX	N	C	PUNCHER GUIDE SHEET	ﾊﾟﾝﾁ入口ｶﾞｲﾄﾞﾏｲﾗｰ
29	0CW030080FDBB	AB	DJ	N	C	SCREW(3×8)	ﾋﾞｽ
50	0CW1020P537A/	BS	MJ		B	IC M38039FFSP CPU	CPU
51	0CWWA70484000	AN	EG		B	IC S-93C46ADP EP-ROM	EP-ROM
52	0CW4F11850000	AU	EZ		C	PC-PM-SUB BASE ASSY	PC-PM ｻﾌﾞﾍﾞｰｽ
53	0CW4B10494000	AS	EQ		C	DUST BOX SHEET	ﾀﾞｽﾄﾎﾞｯｸｽｼｰﾄ
54	0CW1020P280A/	AH	DX		C	RIB	ﾘﾌﾞ
55	0CW4A18684000	AF	DS		C	PC SENSOR PLATE	PC ｾﾝｻｰﾌﾟﾚｰﾄ
56	0CW4A18689000	AF	DS		C	PC-PWB FILM	PC 基板ﾌｨﾙﾑ
501	0CWXB12400605	AB	DJ		C	SCREW(M4×6)	ﾋﾞｽ
502	0CWXB47300805	AB	DJ		C	SCREW TAPPING(M3×8)	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ
503	0CWXD11104629	AC	DJ		C	WASHER	ﾜｯｼｬｰ
504	0CWXB24300605	AB	DJ		C	SCREW W/WASHER(M3×6)	ﾊﾞﾈ付ﾅﾍﾞﾋﾞｽ

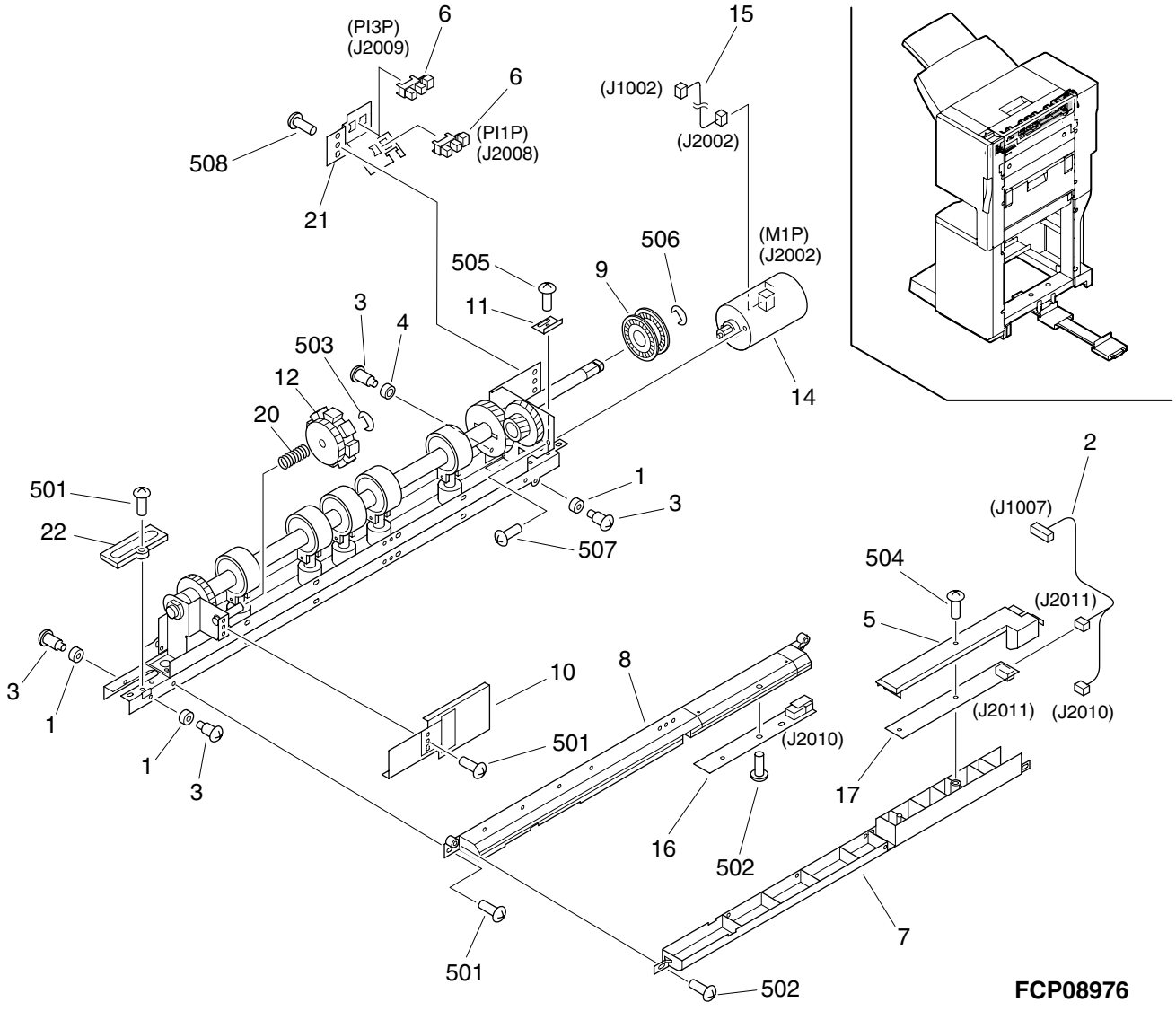
5 ﾊﾟﾝﾁｬ部 (Puncher Assembly)[AR-PN1]



6 ﾊﾟﾝﾁｬﾄｰﾀﾙ部 (Puncher Total Assembly)[AR-PN1]

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A18688000	AD	DJ		C	PUNCHER ROLLER	ﾊﾟﾝﾁｬｺﾛ
2	0CW4H16523000	BA	FX		C	CABLE REGISTRETION SENSOR	ﾚｼﾞｽﾄｾﾝｻｰ束線
3	0CWFS19102000	AC	DJ		C	SCREW STEPPED(M3)	ﾀﾞﾝﾋﾟｽ
4	0CWFS56528000	AE	DJ		C	EARTH ROLLER	ｱｰｽｺﾛ
5	0CW4A18682000	AG	DX		D	REGSTRETION COVER	ﾚｼﾞｽﾄｶﾊﾞｰ
6	0CWWG85362000	AH	DX		B	PHOTO INTERRUPTER(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
7	0CWFF60507000	AV	FG		C	SENSOR HOLDER UPPER	ﾄｳｶｾﾝｻｰﾎﾙﾀﾞｰ上
8	0CWFF60508000	AV	FG		C	SENSOR HOLDER LOWER	ﾄｳｶｾﾝｻｰﾎﾙﾀﾞｰ下
9	0CWFB56775000	AH	DX		C	ENSOR FLAG PLATE	ｾﾝｻｰﾌﾗｸﾞ板
10	0CW4B10476000	AG	DS		D	JAM CLEARING COVER	JAM 処理ｶﾊﾞｰ
11	0CWFB55968000	AH	DX		C	SLIDE RACK	ｽﾗｲﾄﾞﾗｯｸ
12	0CW4B10477000	AG	DS		C	JAM CLEANING KNOB	JAM 処理ﾉﾌﾞ
14	0CW1033K300//	BD	GN	N	B	MOTOR DC	DC ﾓｰﾀｰ
15	0CW4H16531000	AP	EQ		C	CABLE MOTOR	ﾓｰﾀｰ束線
16	0CW1020K363B/	AX	FG		E	PWB UNIT	回路基板
17	0CW1020K365B/	AX	FG		E	PWB UNIT	回路基板
20	0CW4B10490000	AG	DX		C	SPRING	ｽﾌﾟﾘﾝｸﾞ
21	0CW4A18690000	AH	DX		C	PC SENSOR BRACKET	PC ｾﾝｻｰﾌﾞﾗｹｯﾄ
22	0CWFB55969000	AE	DJ		C	BEARING SLIDE	ﾍﾞｱﾘﾝｸﾞｽﾗｲﾄﾞ
501	0CWXB12300605	AB	DJ		C	SCREW(M3×6)	ﾋﾞｽ
502	0CWXB47300805	AB	DJ		C	SCREW TAPPING(M3×8)	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ
503	0CWXD21100502	AC	DJ		C	E-RING	E ﾘﾝｸﾞ
504	0CWXB47301209	AB	DJ		C	SCREW TAPPING(M3×12)	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ
505	0CWXB24300805	AB	DJ		C	SCREW W/WASHER(M3×8)	ﾊﾞﾈ付ﾅﾍﾞﾋﾞｽ
506	0CWXD21100642	AC	DJ		C	E-RING	E ﾘﾝｸﾞ
507	0CWXB12300805	AB	DJ		C	SCREW(M3×5)	ﾋﾞｽ
508	0CWXB12400805	AB	DJ		C	SCREW(M4×6)	ﾋﾞｽ

6 ﾊﾟﾝﾁｬﾄｰﾀﾙ部 (Puncher Total Assembly)[AR-PN1]



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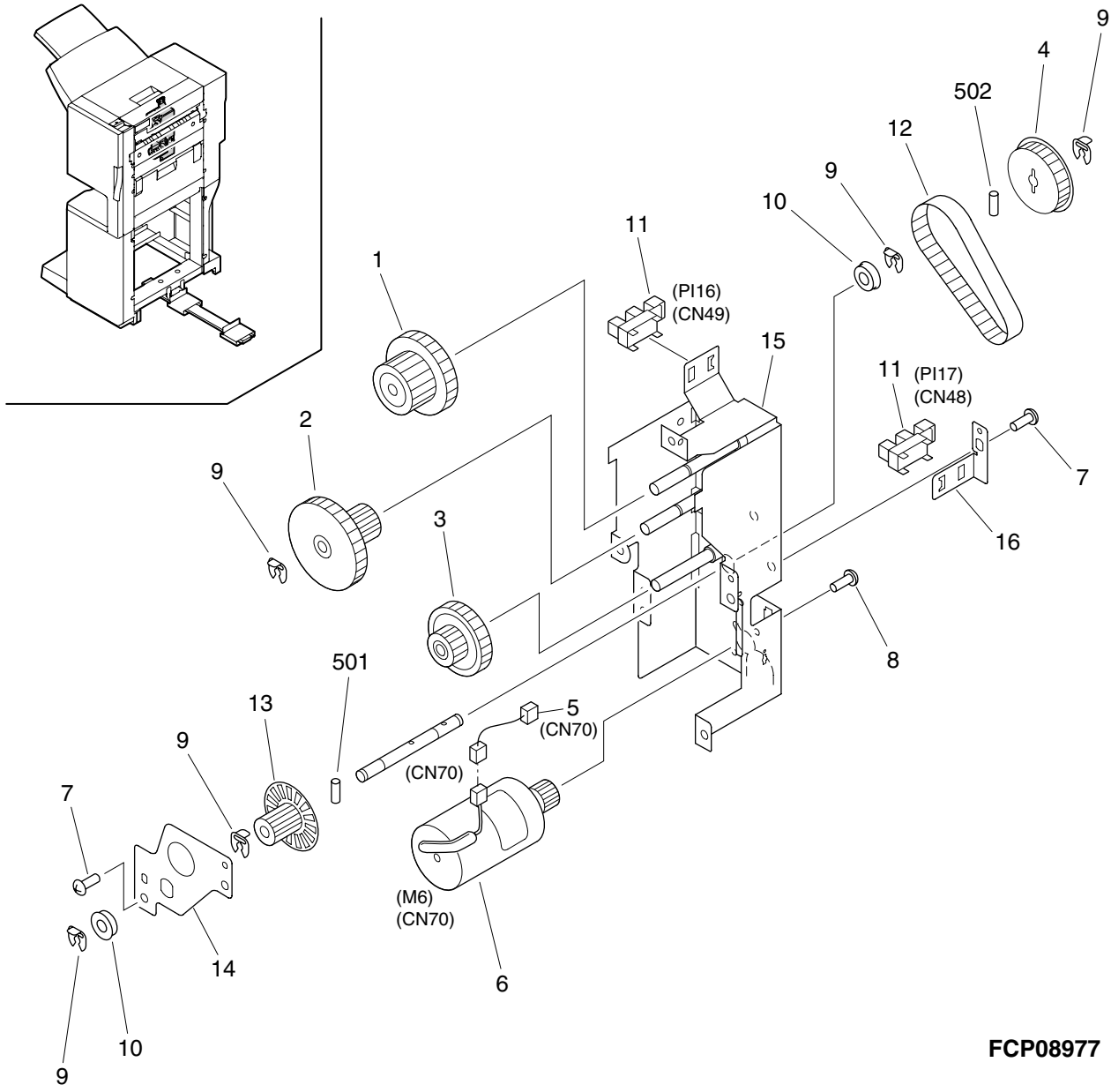
7 ｽﾀｯｸﾓｰﾀｰ駆動部 (Stack Motor Driver Assembly)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A17260000	AF	DS		C	GEAR(16T/40T)	ｷﾞｱ
2	0CW4A17261000	AG	DS		C	GEAR(16T/45T)	ｷﾞｱ
3	0CW4A17262000	AE	DS		C	GEAR(16T/45T)	ｷﾞｱ
4	0CW4A17263000	AE	DS		C	PULLEY(56T)	ﾌﾟｰﾘｰ
5	0CW4H16458000	AK	DX		C	CABLE SHIFT MOTOR	ｼﾌﾄﾓｰﾀｰ束線
6	0CW4135K550／／	BD	GN		B	MOTOR(NA3550D01C)	DC ﾓｰﾀｰ
7	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
8	0CWFC25034000	AB	DJ		C	SCREW W/WASHER(M3×6)	ﾊﾞﾈ付ﾅﾍﾞﾋﾞｽ
9	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
10	0CWFS21672000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
11	0CWWG85362000	AH	DX		B	PHOTO INTERRUPTER(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
12	0CWXF21608040	AN	EG		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
13	0CW4A17264000	AE	DJ		C	CLOCK SENSOR PLATE	ｸﾛｯｸｾﾝｻｰ板
14	0CW4A17469000	AD	DJ		C	STACK MOTOR SUB PLATE	ｽﾀｯｸﾓｰﾀｰｻﾌﾞﾌﾟﾚｰﾄ
15	0CW4F11562000	AT	EZ		C	STACK MOTOR PLATE ASSY	ｽﾀｯｸﾓｰﾀｰﾌﾟﾚｰﾄ
16	0CW4A17173000	AD	DJ		C	CLOCK SENSOR BRACKET	ｸﾛｯｸｾﾝｻｰﾌﾞﾗｹｯﾄ
501	0CWXD32200122	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ
502	0CWXD32200142	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ

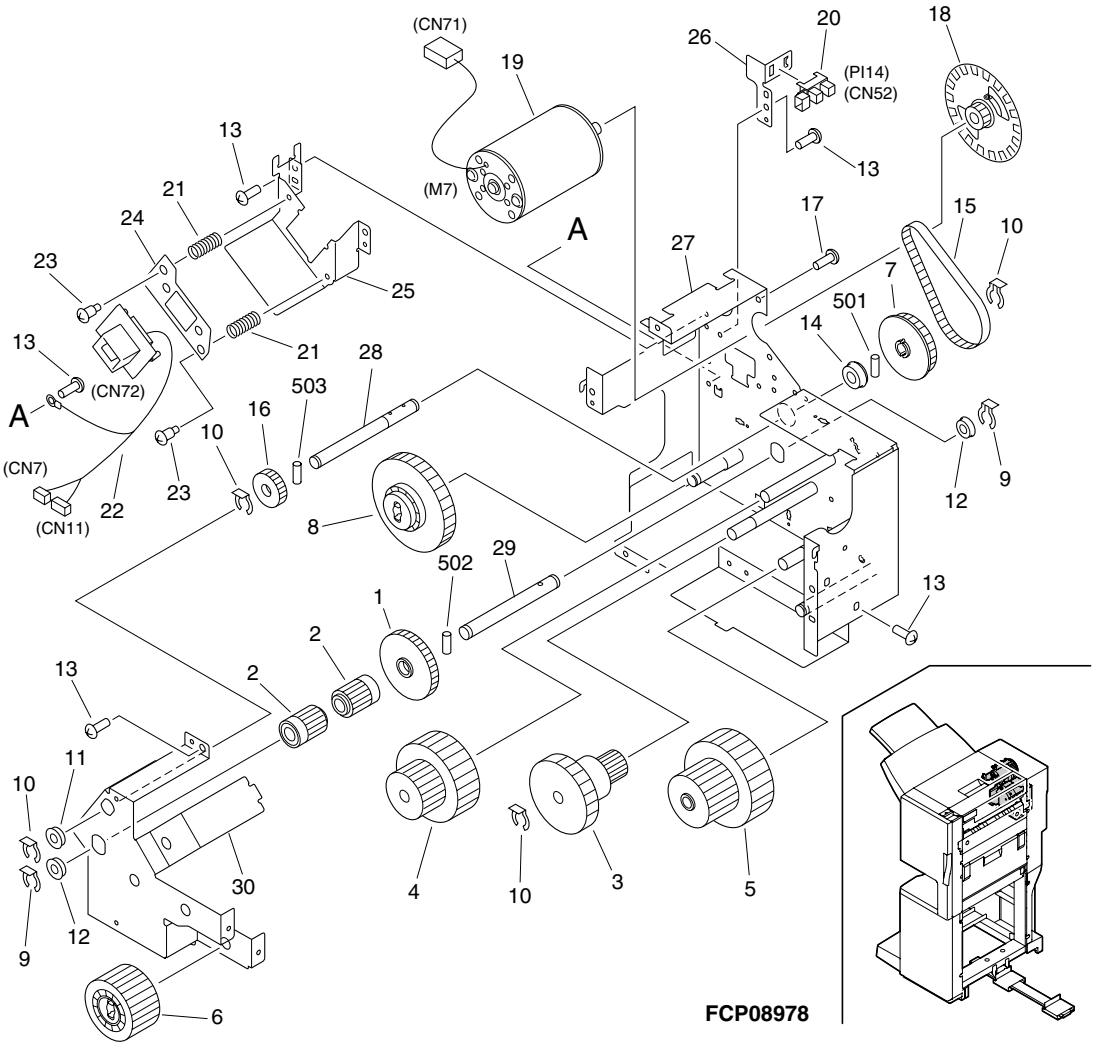
7 ｽﾀｯｸﾓｰﾀｰ駆動部 (Stack Motor Driver Assembly)



8 駆動部 (Drive Assembly)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4A17301000	AE	DS		C	GEAR(58T)	ｷﾞｱ
2	0CW4A17302000	AQ	EQ		C	GEAR(23T)	ｷﾞｱ
3	0CW4A17303000	AK	DX		C	GEAR(17T/65T)	ｷﾞｱ
4	0CW4A17304000	AL	EB		C	GEAR(15T/54T)	ｷﾞｱ
5	0CW4A17305000	AL	EB		C	GEAR(17T/29T)	ｷﾞｱ
6	0CW4A17306000	AH	DX		C	GEAR(20T)	ｷﾞｱ
7	0CW4A17307000	AF	DS		C	PULLEY(45T)	ﾌﾟｰﾘｰ
8	0CW4A17338000	AH	DX		C	GEAR(82T)	ｷﾞｱ
9	0CW4A17566000	AD	DJ		C	CLIP SHAFT	軸ｸﾘｯﾌﾟ
10	0CW4A17567000	AD	DJ		C	CLIP SHAFT	軸ｸﾘｯﾌﾟ
11	0CW4A17572000	AE	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
12	0CW4A17573000	AE	DS		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
13	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
14	0CWFS21615000	AS	EZ		C	BALL BEARING	ﾎﾞｰﾙﾍﾞｱﾘﾝｸﾞ
15	0CWXF21807000	AP	EQ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
16	0CW4A17300000	AD	DJ		C	GEAR(29T)	ｷﾞｱ
17	0CWFC25031000	AC	DJ		C	SCREW(M4×6)	ﾋﾞｽ
18	0CW4A17308000	AS	EZ		C	CLOCK SENSOR FLAG	ｸﾛｯｸｾﾝｻｰﾌﾗｸﾞ
19	0CW4K11069000	BR	LX		B	DC MOTOR(DC24V)	DC ﾓｰﾀｰ
20	0CWWG85421000	AR	EQ		B	PHOTO INTERRUPTER	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
21	0CW4A17407000	AD	DJ		C	COMPRESSION SPRING	圧縮ﾊﾞﾈ
22	0CW4H16468000	AY	FQ		C	CABLE STAPLER	ｽﾃｲﾌﾟﾗ束線
23	0CW4S19049000	AD	DJ		C	SCREW STEPPED	段ﾋﾞｽ
24	0CW4A17479000	AD	DJ		C	DRAWER D PLATE	ﾄﾞﾛﾜ D ﾌﾟﾚｰﾄ
25	0CW4A17516000	AK	DX		C	DRAWER D BRACKET	ﾄﾞﾛﾜ D ﾌﾞﾗｹｯﾄ
26	0CW4A17199000	AE	DJ		C	MOTOR SENSOR PLATE	ﾓｰﾀｰｾﾝｻｰﾌﾟﾚｰﾄ
27	0CW4F11563010	BA	FX		C	DRIVE GEAR BRACKET ASSY	駆動ｷﾞｱﾌﾞﾗｹｯﾄ
28	0CW4A17229000	AL	EB		C	GEAR SHAFT 1	ｷﾞｱｼｬﾌﾄ
29	0CW4A17231000	AL	EB		C	GEAR SHAFT 2	ｷﾞｱｼｬﾌﾄ
30	0CW4A17198000	AQ	EQ		C	DRIVE GEAR BRACKET ASSY	駆動ｷﾞｱﾌﾞﾗｹｯﾄ
501	0CWXD32200142	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ
502	0CWXD32300182	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ
503	0CWXD32200122	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ

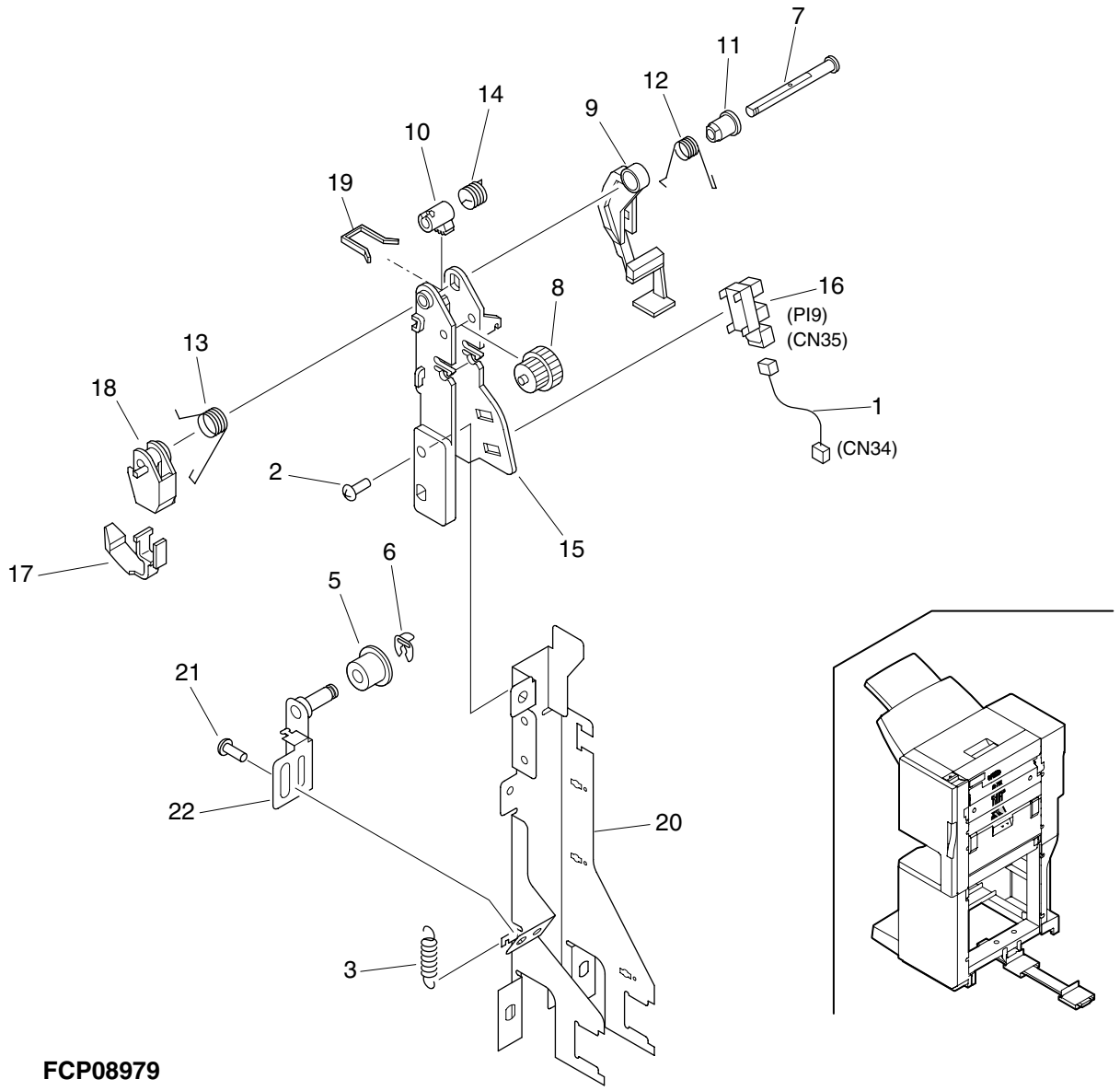
8 駆動部 (Drive Assembly)



9 束線押えｶﾊﾞｰ部 (Bundle Support Cover Assembly)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4H16454000	AE	DS		C	CABLE SENSOR	ｾﾝｻｰ束線
2	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
3	0CW4A17416000	AD	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
5	0CW4A17371000	AC	DJ		C	TENSIONER ROLLER	ﾃﾝｼｮﾅｺﾛ
6	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
7	0CW4A17240000	AM	EG		C	SUPPORT SHAFT	押え軸
8	0CW4A17289000	AF	DS		C	GEAR(20T/28T)	ｷﾞｱ
9	0CW4113P243//	AE	DS		C	PAPER SENSOR LEVER	紙面検知ﾚﾊﾞｰ
10	0CW4A17325000	AE	DS		C	GEAR(5T)	ｷﾞｱ
11	0CW4A17367000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
12	0CW4A17421000	AE	DJ		C	TENSION SPRING	ﾈｼﾞﾘﾊﾞﾈ
13	0CW4A17422000	AE	DS		C	TENSION SPRING	ﾈｼﾞﾘﾊﾞﾈ
14	0CW4A17423000	AE	DS		C	TENSION SPRING	ﾈｼﾞﾘﾊﾞﾈ
15	0CW4A17526000	AF	DS		C	SENSOR HOLDER	ｾﾝｻｰﾎﾙﾀﾞｰ
16	0CWWG85362000	AH	DX		B	PHOTO INTERRUPTER(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
17	0CW4116P492//	AL	EB		C	PAPER SUPPORT GUIDE	ﾂｳｼｶﾞｲﾄﾞ
18	0CW4A17327000	AD	DJ		C	PAPER SUPPORT HOLDER	ﾂｳｼｶﾞｲﾄﾞﾎﾙﾀﾞｰ
19	0CW4B10783000	AG	DX		C	GEAR HOLDING SPRING	ｷﾞｱ固定ｽﾌﾟﾘﾝｸﾞ
20	0CW4A17184000	AN	EG		C	BUNDLE-SUPPORTING BRACKET	束線押えﾌﾞﾗｹｯﾄ
21	0CW4060P027//	AB	DJ	N	C	SCREW	ﾋﾞｽ
22	0CW4F11566000	AG	DX		C	SUPPORT PLATE	ﾂｳｼﾌﾟﾚｰﾄ

9 束線押えｶﾊﾞｰ部 (Bundle Support Cover Assembly)

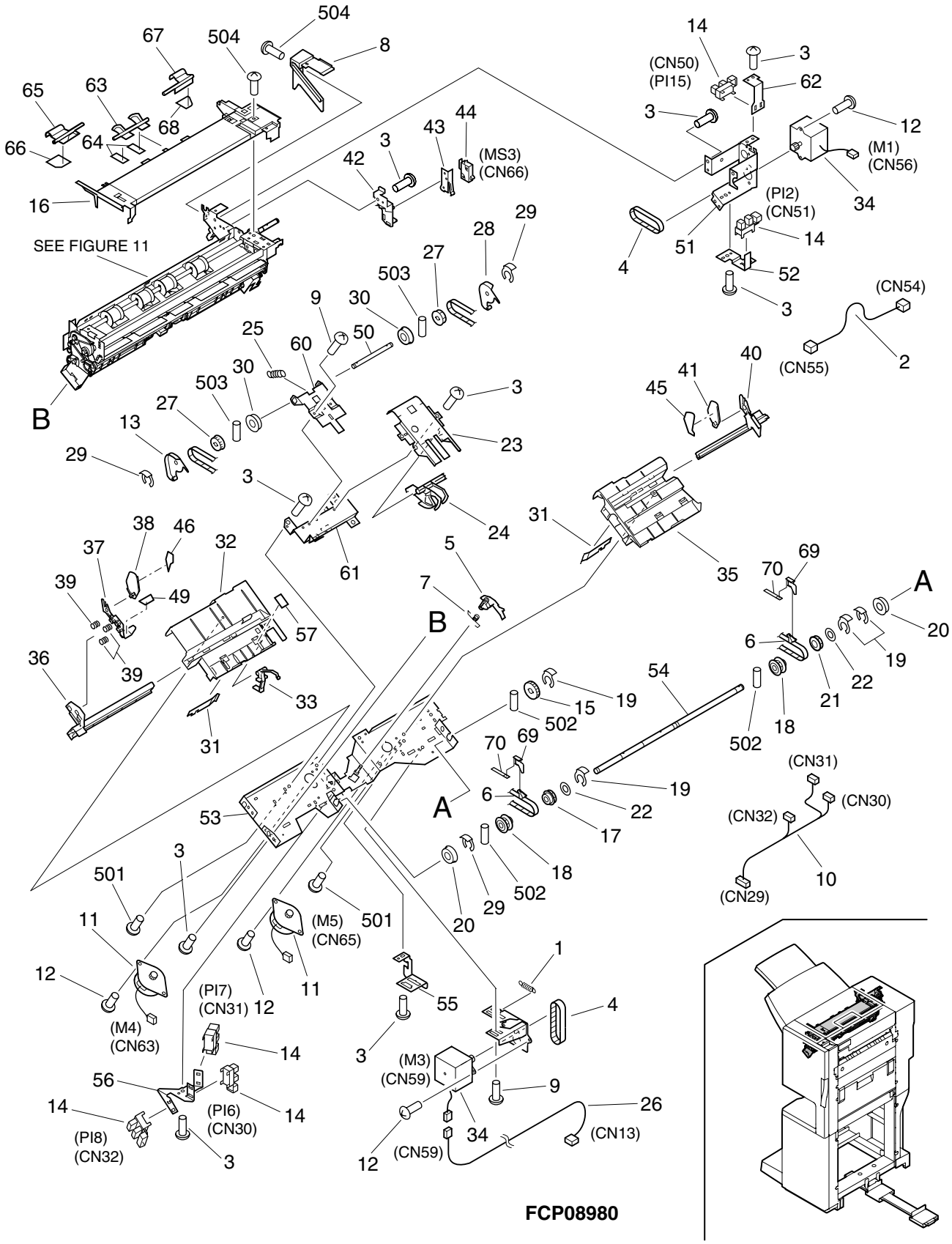


FCP08979

10 処理部 (Dispose Assembly)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A17390000	AD	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
2	0CW4H16454000	AE	DS		C	CABLE SENSOR	ｾﾝｻｰ束線
3	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
4	0CWXF21606140	AL	EB		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
5	0CW4A17328000	AD	DJ		C	BELT SENSOR LEVER	ﾍﾞﾙﾄｾﾝｻｰﾚﾊﾞｰ
6	0CW4A17383000	AY	FQ		B	TIMING BELT	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
7	0CW4A17392000	AE	DS		C	TENSION SPRING	ﾈｼﾞﾘﾊﾞﾈ
8	0CW4144P303//	AL	EB	N	D	DISPOSE COVER	処理ｶﾊﾞｰ
9	0CW4060P027//	AB	DJ	N	C	SCREW	ﾋﾞｽ
10	0CW4H16455000	AK	EB		C	CABLE TRAY	ﾄﾚｲ束線
11	0CW4K11067000	BA	FX		B	STEPPING MOTOR	ｽﾃｯﾋﾟﾝｸﾞﾓｰﾀｰ
12	0CWFC25034000	AB	DJ		C	SCREW W/WASHER(M3×6)	ﾊﾞﾈ付ﾅﾍﾞﾋﾞｽ
13	0CW4A18889010	AD	DJ		C	TRAY GUIDE FRONT	ﾄﾚｲｶﾞｲﾄﾞ前
14	0CWWG85362000	AH	DX		B	PHOTO INTERRUPTER(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
15	0CW4A17273000	AD	DJ		C	GEAR(30T)	ｷﾞｱ
16	0CW4A17519000	AR	EQ		D	DISPOSE SUB COVER	処理ｻﾌﾞｶﾊﾞｰ
17	0CW4A17368000	AP	EQ		C	PULLEY(22T)	ﾌﾟｰﾘｰ
18	0CW4A17381000	AS	EQ		C	BUNDLE ROLLER LOWER	ﾀﾊﾞﾀﾞｼﾛｰﾗｰ下
19	0CW4A17567000	AD	DJ		C	CLIP SHAFT	軸ｸﾘｯﾌﾟ
20	0CW4A17572000	AE	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
21	0CW4A18319000	AD	DJ		C	PULLEY(22T)	ﾌﾟｰﾘｰ
22	0CW4A18334000	AC	DJ		C	FLANGE	ﾌﾗﾝｼﾞ
23	0CW4114P048B/	AU	EZ		C	SENSOR FLAG SUPPORT PLATE (INCH SERIES)	ｾﾝｻｰﾌﾗｸﾞ支板
	0CW4B10138010	AU	EZ		C	SENSOR FLAG SUPPORT PLATE (AB SERIES)	ｾﾝｻｰﾌﾗｸﾞ支板
24	0CW4A17329000	AE	DS		C	SENSOR FLAG	ｾﾝｻｰﾌﾗｸﾞ
25	0CW4A17402000	AC	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
26	0CW4H16464000	AN	EQ		C	CABLE EJECT MOTOR	ｲｼﾞｪｸﾄﾓｰﾀｰ束線
27	0CW4A17275000	AD	DJ		C	PULLEY(22T)	ﾌﾟｰﾘｰ
28	0CW4A18924010	AD	DJ		C	GUIDE TRAY REAR	ﾄﾚｲｶﾞｲﾄﾞ後
29	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
30	0CWFS21672000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
31	0CW4A17209000	AC	DJ		C	LEAF SPRING	板ﾊﾞﾈ
32	0CW4144P290//	AR	EQ	N	C	PAPER FEED GUIDE FRONT	処理ｶﾞｲﾄﾞ前
33	0CW4A17514000	AE	DS		C	BUNDLE ROLLER FLAG	ﾀﾊﾞﾛｰﾗｰﾌﾗｸﾞ
34	0CW4K11066000	BE	GN		B	STEPPING MOTOR	ｽﾃｯﾋﾟﾝｸﾞﾓｰﾀｰ
35	0CW4144P289//	AR	EQ	N	C	PAPER FEED GUIDE REAR	処理ｶﾞｲﾄﾞ後
36	0CW4A17314000	AH	DX		D	ADJUSTMENT RACK FRONT	整合ﾗｯｸ前
37	0CW4A18877000	AF	DS		D	ADJUSTMENT RACK COVER FRONT 1	整合ﾗｯｸｶﾊﾞｰ前 1
38	0CW4144P277//	AG	DX	N	D	ADJUSTMENT RACK COVER FRONT 2	整合ﾗｯｸｶﾊﾞｰ前 2
39	0CW4A17391000	AC	DJ		C	COMPRESSION SPRING	圧縮ﾊﾞﾈ
40	0CW4A17319000	AL	EB		C	ADJUSTMENT RACK REAR	整合ﾗｯｸ後
41	0CW4144P284//	AG	DX	N	D	ADJUSTMENT RACK COVER REAR	整合ﾗｯｸｶﾊﾞｰ後
42	0CW4A17212000	AE	DS		C	MICROSWITCH HOLDER	ﾏｲｸﾛｽｲｯﾁﾎﾙﾀﾞｰ
43	0CW4A17575010	AE	DS		D	MICROSWITCH COVER	ﾏｲｸﾛｽｲｯﾁｶﾊﾞｰ
44	0CW4H16449010	AM	EG		B	MICROSWITCH	ﾏｲｸﾛｽｲｯﾁ
45	0CW4B10779000	AF	DS		C	ADJUSTMENT-PLATE MYLAR REAR	整合ﾌﾟﾚｰﾄﾏｲﾗｰ後
46	0CW4B10778000	AF	DS		C	ADJUSTMENT-PLATE MYLAR FRONT	整合ﾌﾟﾚｰﾄﾏｲﾗｰ前
49	0CW4B10776000	AF	DS		C	ADJUSTMENT-RACK MYLAR	整合ﾗｯｸﾏｲﾗｰ
50	0CW4A17239000	AK	DX		C	PAWL BRACKET SHAFT	ﾎﾟｰﾙﾌﾞﾗｹｯﾄ軸
51	0CW4A17486000	AM	EG		C	MOTOR BRACKET	ﾓｰﾀｰﾌﾞﾗｹｯﾄ
52	0CW4A17191000	AF	DS		C	SENSOR BRACKET	ｾﾝｻｰﾌﾞﾗｹｯﾄ
53	0CW4F11564000	AW	FG		C	ADJUSTMENT BASE ASSY	整合ﾍﾞｰｽ
54	0CW4A17236000	AS	EQ		C	LOWER TB ROLLER SHAFT	下 TB ﾛｰﾗｰｼｬﾌﾄ
55	0CW4A17487000	AF	DS		C	P-LOCK BRACKET	P-ﾛｯｸﾌﾞﾗｹｯﾄ
56	0CW4A17193000	AG	DS		C	SIG SENSOR BRACKET	SIG ｾﾝｻｰﾌﾞﾗｹｯﾄ
57	0CW4B10852000	AE	DS		C	SUPPORT SHEET	補助ｼｰﾄ
60	0CW4A17196000	AH	DX		C	PULLEY SHAFT SUPPORT PLATE	ﾌﾟｰﾘｰ軸支板
61	0CW4A17483000	AL	EB		C	STAY	整合ｽﾃｰ
62	0CW4A17266000	AE	DS		C	SENSOR SUPPORT PLATE	ｾﾝｻｰ支板
63	0CW4B10086000	AL	EB		C	WEIGHT FLAPPER INSIDE	排紙ｳｪｲﾄ中
64	0CW4B10144000	AE	DJ		C	WEIGHT FLAPPER SHEET INSIDE	排紙ｳｪｲﾄﾏｲﾗｰ中
65	0CW4B10085000	AK	EB		C	WEIGHT FLAPPER FRONT	排紙ｳｪｲﾄ前
66	0CW4B10156000	AE	DJ		C	WEIGHT FLAPPER SHEET FRONT	排紙ｳｪｲﾄﾏｲﾗｰ前
67	0CW4B10087000	AK	EB		C	WEIGHT FLAPPER REAR	排紙ｳｪｲﾄ後
68	0CW4B10082000	AF	DS		C	WEIGHT FLAPPER SHEET REAR	排紙ｳｪｲﾄﾏｲﾗｰ後
69	0CW4144P053//	AP	EQ	N	C	PAWL SHEET HOLDER	爪ｼｰﾄﾎﾙﾀﾞｰ
70	0CW4144P408//	AF	DS	N	C	PAWL SHEET	爪ｼｰﾄ
501	0CWXB47401007	AB	DJ		C	SCREW TAPPING(M4×10)	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ
502	0CWXD32200122	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ
503	0CWXD32200102	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ
504	0CWXB12400606	AB	DJ		C	SCREW(M4×12)	ﾋﾞｽ

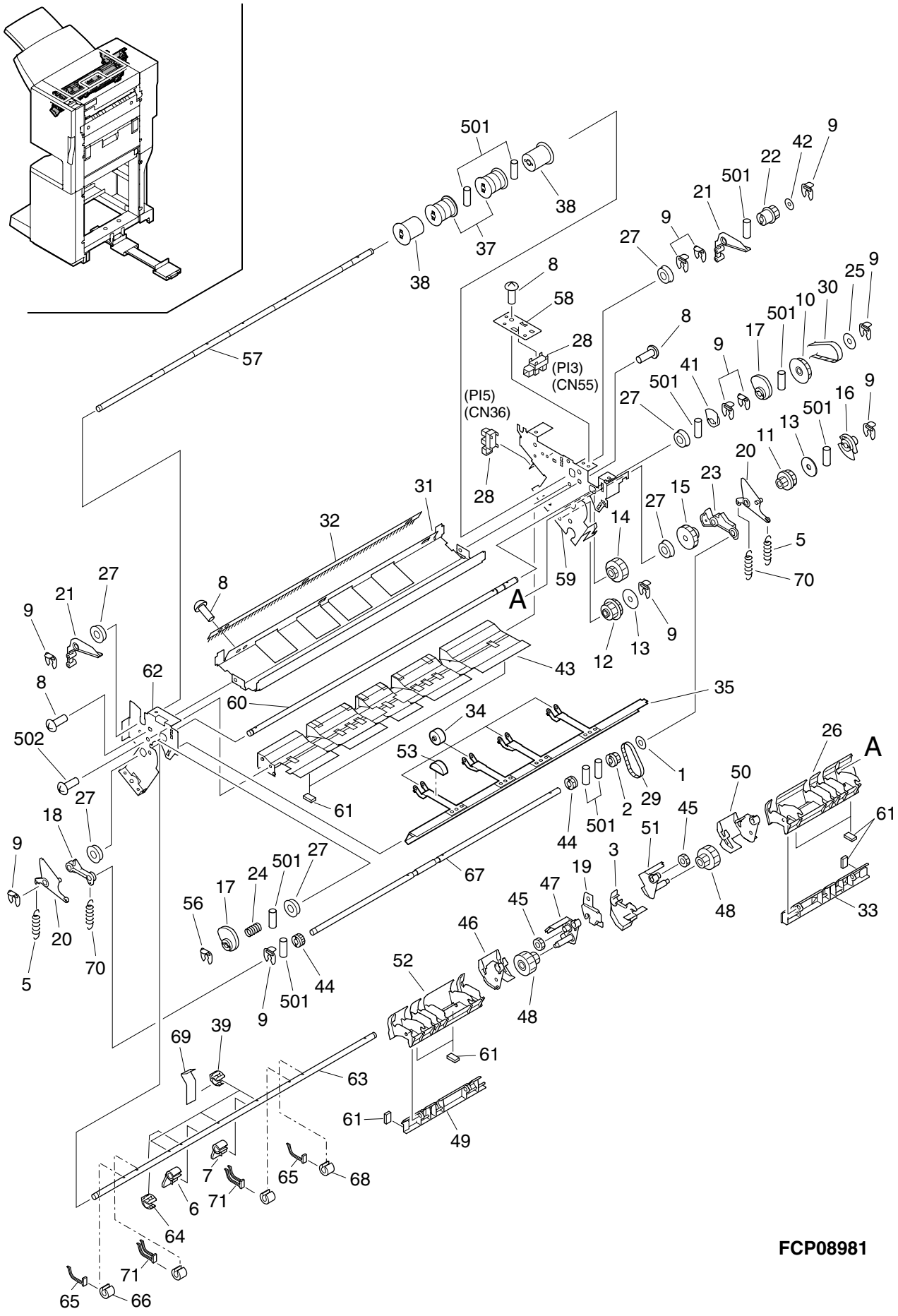
10 処理部 (Dispose Assembly)



11 搬送部 (Paper Feeder Assembly)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A17278000	AC	DJ		C	FLANGE	ﾌﾗﾝｼﾞ
2	0CW4A17281000	AD	DJ		C	PULLEY(20T)	ﾌﾟｰﾘｰ
3	0CW4A17337000	AE	DS		C	PAPER AUXILIARY GUIDE	紙補助ｶﾞｲﾄﾞ
5	0CW4A17401000	AD	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
6	0CW4109P231//	AD	DJ		C	PAWL FRONT	爪前
7	0CW4109P232//	AD	DJ		C	PAWL REAR	爪後
8	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
9	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
10	0CW4A17271000	AP	EQ		C	PULLEY(40T)	ﾌﾟｰﾘｰ
11	0CW4A17272000	AN	EQ		C	PULLEY(18T/29T)	ﾌﾟｰﾘｰ
12	0CW4A17274000	AD	DJ		C	GEAR(20T/32T)	ｷﾞｱ
13	0CW4A17276000	AC	DJ		C	FLANGE	ﾌﾗﾝｼﾞ
14	0CW4A17279000	AD	DJ		C	GEAR(20T)	ｷﾞｱ
15	0CW4A17280000	AD	DJ		C	GEAR(30T/20T)	ｷﾞｱ
16	0CW4A17330000	AD	DJ		C	SENSOR FLAG	ｾﾝｻｰﾌﾗｸﾞ
17	0CW4A17331000	AD	DJ		C	CAM	ｶﾑ
18	0CW4A17332000	AC	DJ		C	LINK ARM 1	ﾘﾝｸｱｰﾑ 1
19	0CW4A17346000	AC	DJ		C	PADDLE SHAFT SUPPORT	ﾊﾟﾄﾞﾙ軸台
20	0CW4A17347000	AD	DJ		C	LINK ARM 2	ﾘﾝｸｱｰﾑ 2
21	0CW4A17348000	AD	DJ		C	LINK ARM 3	ﾘﾝｸｱｰﾑ 3
22	0CW4A17351000	AD	DJ		C	PULLEY(24T)	ﾌﾟｰﾘｰ
23	0CW4A17366000	AE	DJ		C	LINK ARM 4	ﾘﾝｸｱｰﾑ 4
24	0CW4114P813//	AF	DS		C	COMPRESSION SPRING	圧縮ﾊﾞﾈ
25	0CW4A17339000	AC	DJ		C	FLANGE	ﾌﾗﾝｼﾞ
26	0CW4A17372000	AH	DX		C	SAFETY GUIDE REAR 1	ｾｰﾌﾃｨｶﾞｲﾄﾞ後 1
27	0CWFS21672000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
28	0CWWG85362000	AH	DX		B	PHOTO INTERRUPTER(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
29	0CWXF21604940	AL	EB		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
30	0CWXF21607640	AN	EG		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
31	0CW4A17194000	AR	EQ		C	PAPER OUTLET GUIDE UPPER	紙出口ｶﾞｲﾄﾞ前
32	0CW4A17427000	AT	EZ		C	ELIMINATOR STATIC CHARGE	除電ｼﾝ
33	0CW4114P352//	AH	DX	N	C	SAFETY GUIDE REAR 2	ｾｰﾌﾃｨｶﾞｲﾄﾞ後 2
34	0CW4A17406000	AH	DX		C	PAPER OUTLET ROLLER	紙出口ｺﾛ
35	0CW4113P643B/	AR	EQ		C	PAPER OUTLET ROLLER PLATE	紙出口ｺﾛ支板
37	0CW4A17531000	AK	DX		C	PAPER OUTLET ROLLER 1	紙出口ﾛｰﾗｰ 1
38	0CW4116P759//	AN	EG		C	WEIGHT FLAPPER ROLLER	排紙ﾛｰﾗｰ
39	0CW4A17352000	AC	DJ		C	PADDLE ROLLER HOLDER 1	ﾊﾟﾄﾞﾙﾛｰﾗｰﾎﾙﾀﾞｰ 1
41	0CW4A17513000	AD	DJ		C	SENSOR FLAG CAM	ｾﾝｻｰﾌﾗｸﾞｶﾑ
42	0CW4A17585000	AE	DJ		C	FLANGE	ﾌﾗﾝｼﾞ
43	0CW4A17333000	AN	EG		C	PAPER GUIDE LOWER	紙ｶﾞｲﾄﾞ下
44	0CW4A17283000	AC	DJ		C	GEAR(14T)	ｷﾞｱ
45	0CW4A17282000	AC	DJ		C	GEAR(14T)	ｷﾞｱ
46	0CW4A17286000	AE	DS		C	ROLLER HOLDER FRONT 1	ﾛｰﾗｰ支持ﾌﾞﾛｯｸ前 1
47	0CW4A17345000	AE	DJ		C	ROLLER HOLDER FRONT 2	ﾛｰﾗｰ支持ﾌﾞﾛｯｸ前 2
48	0CW4A17379000	AS	EQ		C	BUNDLE ROLLER UPPER	束ﾛｰﾗｰ上
49	0CW4113P352//	AG	DX		C	SAFETY GUIDE FRONT	ｾｰﾌﾃｨｶﾞｲﾄﾞ前
50	0CW4A17285000	AE	DS		C	ROLLER HOLDER REAR 1	ﾛｰﾗｰ支持ﾌﾞﾛｯｸ後 1
51	0CW4A17344000	AE	DJ		C	ROLLER HOLDER REAR 2	ﾛｰﾗｰ支持ﾌﾞﾛｯｸ後 2
52	0CW4A17341000	AH	DX		C	SAFETY GUIDE	ｾｰﾌﾃｨｶﾞｲﾄﾞ
53	0CW4B10846000	AD	DJ		C	JUMP STOCK	ｼﾞｬﾝﾌﾟｽﾄｯｸ
56	0CW4B10591000	AF	DS		C	WASHER	ﾜｯｼｬｰ
57	0CW4139P139//	AR	FG		C	EXIT ROLLER SHAFT	出紙ﾛｰﾗｰｼｬﾌﾄ
58	0CW4A17192000	AE	DS		C	CAM SENSOR BRACKET	ｶﾑｾﾝｻｰﾌﾞﾗｹｯﾄ
59	0CW4F11565000	AP	EQ		C	TRANSFER FRAME REAR	搬送ﾌﾚｰﾑ後
60	0CW4A17234000	AR	EQ		C	CAM SHAFT	ｶﾑｼｬﾌﾄ
61	0CW4A18320000	AC	DJ		C	SR-PAD	SRﾊﾟｯﾄﾞ
62	0CW4A17202000	AK	DX		C	TRANSFER FRAME FRONT	搬送ﾌﾚｰﾑ前
63	0CW4A17237000	AT	EZ		C	PDL SHAFT	PDL ｼｬﾌﾄ
64	0CW4110P362//	AD	DJ		C	DUMMY PADDLE HOLDER	ﾀﾞﾐｰﾊﾟﾄﾞﾙﾎﾙﾀﾞｰ
65	0CW4B10140000	AN	EQ		C	PADDLE SMALL	ﾊﾟﾄﾞﾙ小
66	0CW4B10149000	AD	DJ		C	PADDLE HOLDER	ﾊﾟﾄﾞﾙﾎﾙﾀﾞｰ
67	0CW4A17238000	AR	EQ		C	ROLLER SHAFT UPPER	ﾛｰﾗｰ軸上
68	0CW4B10111000	AE	DS		C	PDL SMALLNESS HOLDER REAR	ﾊﾟﾄﾞﾙ小ﾎﾙﾀﾞｰ後
69	0CW4A18888000	AN	EG		C	PADDLE RUBBER	ﾊﾟﾄﾞﾙﾗﾊﾞｰ
70	0CW4114P401//	AE	DJ		C	TENSION SPRING (AB SERIES)	引張ﾊﾞﾈ
	0CW4134P401//	AE	DS		C	TENSION SPRING (INCH SERIES)	引張ﾊﾞﾈ
71	0CW4A17384000	AN	EG		C	PADDLE	ﾊﾟﾄﾞﾙ
501	0CWXD32200102	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ
502	0CWXB47401007	AB	DJ		C	SCREW TAPPING(M4×10)	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ

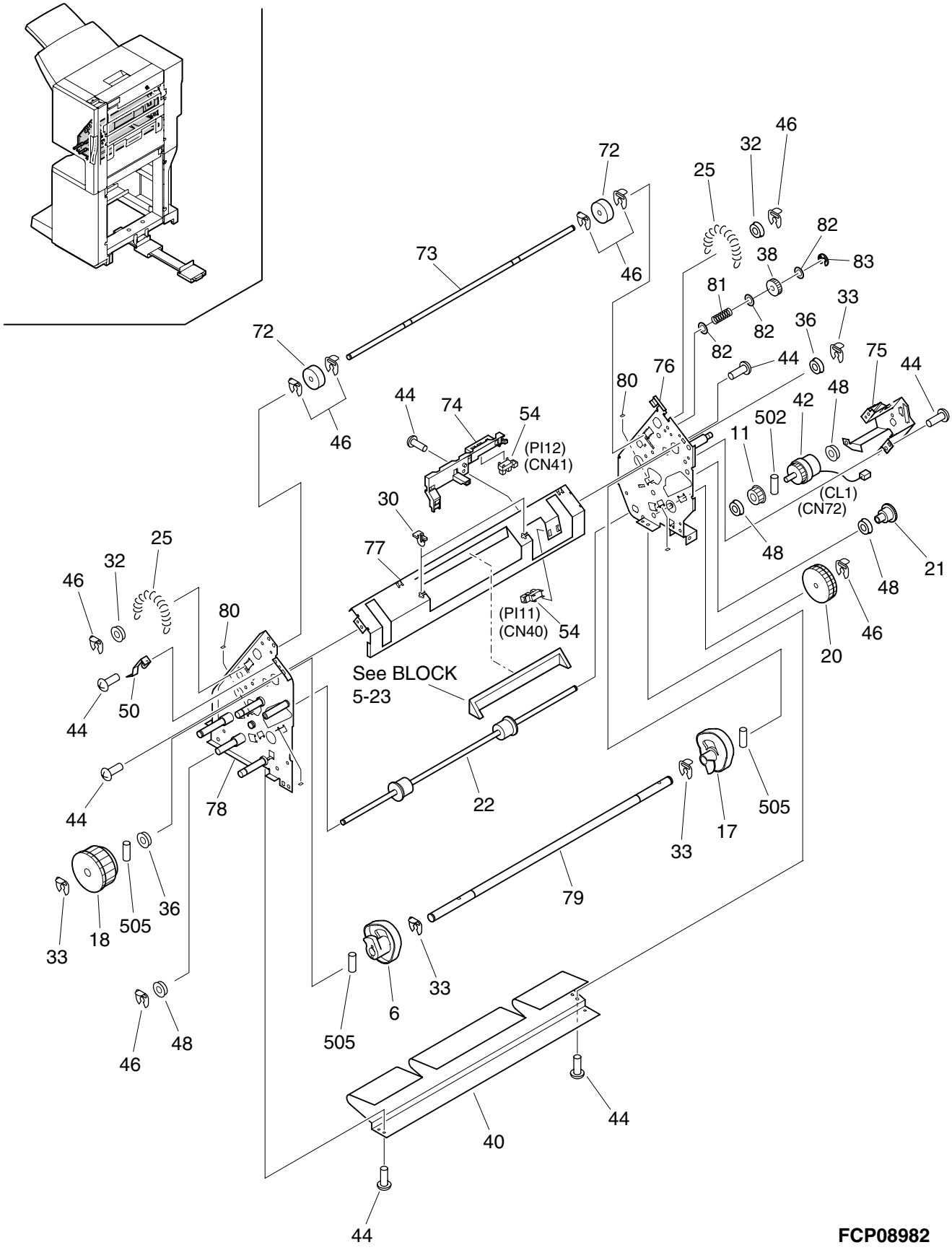
11 搬送部 (Paper Feeder Assembly)



12 折り部 1/3 (Fold Assembly 1/3)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
6	0CW4A17299000	AG	DX		C	SADDLE CAM FRONT	ｻﾄﾞﾙｶﾑ前
11	0CW4A17357000	AD	DJ		C	PULLEY(27T)	ﾌﾟｰﾘｰ
17	0CW4A17363000	AH	DX		C	SADDLE CAM REAR	ｻﾄﾞﾙｶﾑ後
18	0CW4A17364000	AL	EB		C	GEAR(24T)	ｷﾞｱ
20	0CW4A17376000	AF	DS		C	GEAR(16T/42T)	ｷﾞｱ
21	0CW4A17377000	AD	DJ		C	GEAR(21T)	ｷﾞｱ
22	0CW4A17385000	BN	HZ		C	FOLD ROLLER	ﾛｰﾗｰ
25	0CW4A17388000	AE	DS		C	TENSION SPRING	引張ﾊﾞﾈ
30	0CW4A17533000	AC	DJ		C	SPRING HOOK	ﾊﾞﾈﾌｯｸ
32	0CW4A17552000	AF	DS		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
33	0CW4A17566000	AD	DJ		C	CLIP SHAFT	軸ｸﾘｯﾌﾟ
36	0CW4A17573000	AE	DS		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
38	0CW4A18330000	AD	DJ		C	GEAR(18T)	ｷﾞｱ
40	0CW4A18332000	AR	EQ		C	PAPER DELIVERY GUIDE LOWER	排紙ｶﾞｲﾄﾞ下
42	0CW4K14040000	BB	GD		B	ELECTROMAGNETIC CLUTCH	ﾃﾞﾝｼﾞｸﾗｯﾁ
44	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
46	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
48	0CWFS21672000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
50	0CW4A17476000	AC	DJ		C	PLATE SPRING	板ﾊﾞﾈ
54	0CWWG85362000	AH	DX		B	PHOTO INTERRUPTER(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
72	0CW4A17525000	AD	DJ		C	ROLLER	ｺﾛ
73	0CW4A17256000	AN	EG		C	ROLLER SHAFT	ﾛｰﾗｰ軸
74	0CW4A17504000	AF	DS		C	HARNESS DUCT	ﾊｰﾈｽﾀﾞｸﾄ
75	0CW4A17485000	AK	DX		C	TENSION BRACKET	ﾃﾝｼｮﾝﾌﾞﾗｹｯﾄ
76	0CW4113K034//	AU	FG		C	FRAME REAR	ﾌﾚｰﾑ後
77	0CW4A17477000	AN	EQ		C	TOP BRACKET	ﾄｯﾌﾟﾌﾞﾗｹｯﾄ
78	0CW4F11568010	AY	FQ		C	FRAME FRONT	ﾌﾚｰﾑ前
79	0CW4A17227000	AT	EZ		C	SHAFT CAM	ｶﾑｼｬﾌﾄ
80	0CW4A18323000	AC	DJ		C	GUIDE PAD	ｶﾞｲﾄﾞﾊﾟｯﾄﾞ
81	0CW4135P439//	AF	DJ		C	SPRING	ｽﾌﾟﾘﾝｸﾞ
82	0CWPW060050//	AA	DD		C	WASHER	ﾎﾞﾘｽﾗｲﾀﾞｰ
83	0CWXD21100502	AC	DJ		C	E-RING	Eﾘﾝｸﾞ
502	0CWXD32200102	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ
505	0CWXD32300162	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ

12 折り部 1/3 (Fold Assembly 1/3)



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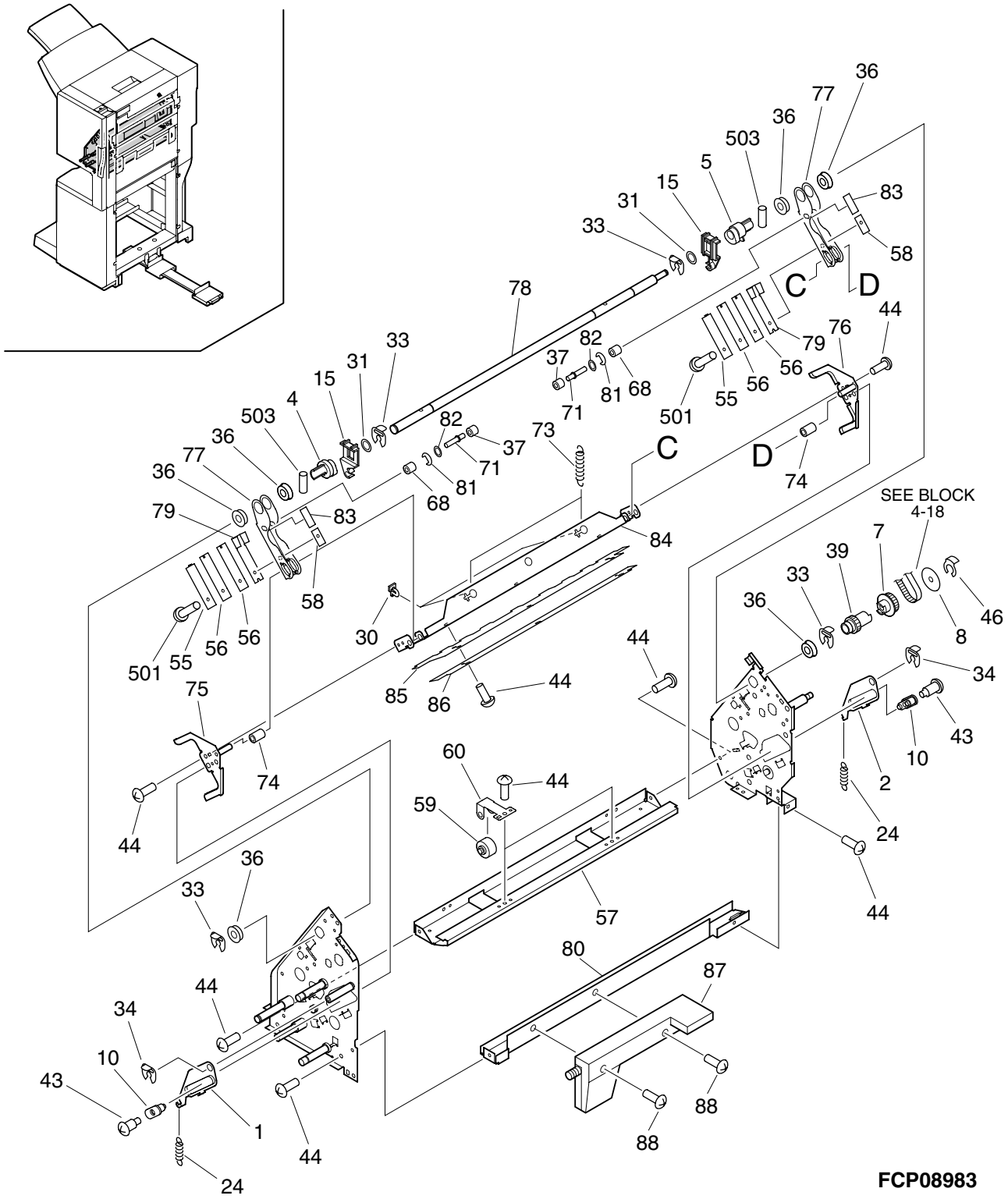
13 折り部 2/3 (Fold Assembly 2/3)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4A17177000	AG	DS		C	SWING GUIDE FRONT	ﾖｳﾄﾞｳｶﾞｲﾄﾞ前
2	0CW4A17178000	AG	DS		C	SWING GUIDE REAR	ﾖｳﾄﾞｳｶﾞｲﾄﾞ後
4	0CW4A17295000	AD	DJ		C	CAM FRONT	ｶﾑ前
5	0CW4A17296000	AD	DJ		C	CAM REAR	ｶﾑ後
7	0CW4A17335000	AN	EG		C	PULLEY(36T)	ﾌﾟｰﾘｰ
8	0CW4A17339000	AC	DJ		C	FLANGE	ﾌﾗﾝｼﾞ
10	0CW4A17350000	AC	DJ		C	SADDLE SLIDER	ｻﾄﾞﾙｽﾗｲﾀﾞｰ
15	0CW4A17361000	AD	DJ		C	ROLLER HOLDER	ﾛｰﾗｰﾎﾙﾀﾞｰ
24	0CW4A17387000	AD	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
30	0CW4A17533000	AC	DJ		C	SPRING HOOK	ﾊﾞﾈﾌｯｸ
31	0CW4A17551000	AD	DJ		C	WASHER	ﾜｯｼｬｰ
33	0CW4A17566000	AD	DJ		C	CLIP SHAFT	軸ｸﾘｯﾌﾟ
34	0CW4A17567000	AD	DJ		C	CLIP SHAFT	軸ｸﾘｯﾌﾟ
36	0CW4A17573000	AE	DS		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
37	0CW4A18329000	AC	DJ		C	LINK ROLLER	ﾘﾝｸｺﾛ
39	0CW4A18331000	AD	DJ		C	GEAR(17T)	ｷﾞｱ
43	0CW4S19048000	AC	DJ		C	SCREW STEPPED	段ﾋﾞｽ
44	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
46	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
55	0CW4A18327000	AL	EB		C	SPRING LEAF	板ﾊﾞﾈ
56	0CW4A18326000	AK	DX		C	SPRING LEAF	板ﾊﾞﾈ
57	0CW4A17480000	AP	EQ		C	DELIVERY PAPER GUIDE	排紙ｶﾞｲﾄﾞ
58	0CW4A18324000	AE	DS		C	REINFORCEMENT PLATE	補強板
59	0CW4A17322000	AD	DJ		C	FOLD ROLLER	折りﾛｰﾗｰ
60	0CW4A17481000	AE	DS		C	DELIVERY ROLLER HOLDER	排紙ｺﾛﾎﾙﾀﾞｰ
68	0CW4A17297000	AC	DJ		C	LINK ROLLER	ﾘﾝｸｺﾛ
71	0CW4A17228010	AC	DJ		C	LINK SHAFT	ﾘﾝｸ軸
73	0CW4109P449／／	AD	DJ		C	TENSION SPRING	引張ﾊﾞﾈ
74	0CW4A17298000	AF	DS		C	SADDLE ROLLER	ｻﾄﾞﾙｺﾛ
75	0CW4F11569000	AK	DX		C	OPENER PLATE FRONT	ｵｰﾌﾟﾅ板前
76	0CW4F11570000	AK	DX		C	OPENER PLATE REAR	ｵｰﾌﾟﾅ板後
77	0CW4A17181000	AG	DX		C	COVER LINK	ｶﾊﾞｰﾘﾝｸ
78	0CW4A17242000	AU	FG		C	F-IN CAM SHAFT	F-IN ｶﾑ軸
79	0CW4A18325000	AN	EG		C	BASE SPRING PLATE	板ﾊﾞﾈ
80	0CW4A17203010	AL	EB		C	BASE BRACKET	ﾍﾞｰｽﾌﾞﾗｹｯﾄ
81	0CWXD21100402	AC	DJ		C	E-RING	E ﾘﾝｸﾞ
82	0CWHW050FZS00	AB	DJ		C	WASHER	ﾜｯｼｬｰ
83	0CW4A18328000	AC	DJ		C	LINK PAD	ﾘﾝｸﾊﾟｯﾄﾞ
84	0CW4A17180000	AN	EG		C	SADDLE COVER	ｻﾄﾞﾙｶﾊﾞｰ
85	0CW4A17179000	AV	FG		C	SADDLE PLATE	ｻﾄﾞﾙ板
86	0CW4A17188000	AF	DS		C	SADDLE PLATE SUB	ｻﾄﾞﾙ板ｻﾌﾞ
87	0CW4113K158A／	AS	EQ		C	LEVER ASSY	ﾚﾊﾞｰ Assy
88	0CW030060FZBi	AA	DD		C	SCREW(3×6)	ﾋﾞｽ
501	0CWXB12401005	AB	DJ		C	SCREW(M4×10)	ﾋﾞｽ
503	0CWXD32200142	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ

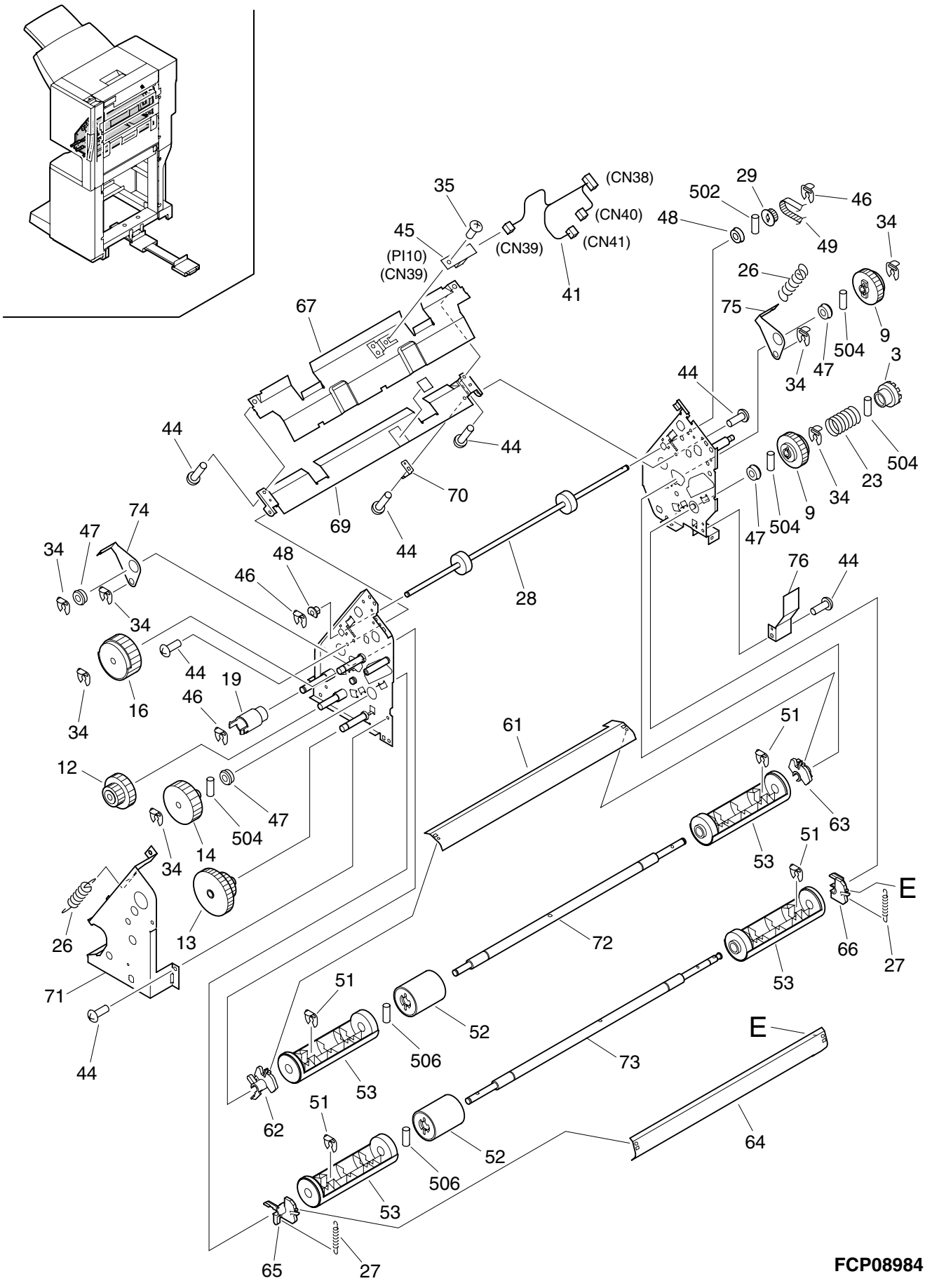
13 折り部 2/3 (Fold Assembly 2/3)



14 折り部 3/3 (Fold Assembly 3/3)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
3	0CW4A17290000	AE	DS		C	GEAR(8T)	ｷﾞｱ
9	0CW4A17340000	AG	DX		C	GEAR(16T)	ｷﾞｱ
12	0CW4A17358000	AP	EQ		C	GEAR(16T/41T)	ｷﾞｱ
13	0CW4A17359000	AK	DX		C	GEAR(15T/38T)	ｷﾞｱ
14	0CW4A17360000	AK	DX		C	GEAR(24T)	ｷﾞｱ
16	0CW4A17362000	AL	EB		C	GEAR(24T)	ｷﾞｱ
19	0CW4A17365000	AF	DS		C	GEAR(16T)	ｷﾞｱ
23	0CW4A17386000	AE	DS		C	COMPRESSION SPRING	圧縮ﾊﾞﾈ
26	0CW4A17389000	AG	DX		C	TENSION SPRING	引張ﾊﾞﾈ
27	0CW4A17403000	AE	DS		C	TENSION SPRING	引張ﾊﾞﾈ
28	0CW4A17404000	AV	FG		C	ROLLER	ﾛｰﾗｰ
29	0CW4A17530000	AD	DJ		C	PULLEY(27T)	ﾌﾟｰﾘｰ
34	0CW4A17567000	AD	DJ		C	CLIP SHAFT	軸ｸﾘｯﾌﾟ
35	0CWFC21175000	AC	DJ		C	SCREW	ﾋﾞｽ
41	0CW4H16456000	AN	EG		C	CABLE CONNECTING	中継束線
44	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
45	0CW4H16450000	AT	EZ		E	LED PWB UNIT	LED 回路基板
46	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
47	0CWFS21615000	AS	EZ		C	BALL BEARING	ﾎﾞｰﾙﾍﾞｱﾘﾝｸﾞ
48	0CWFS21672000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
49	0CWXF21607240	AN	EG		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
51	0CW4A17536000	AC	DJ		C	SHAFT CLIP	軸ｸﾘｯﾌﾟ
52	0CW4A17544000	AR	EQ		C	FOLD ROLLER	折りﾛｰﾗｰ
53	0CW4A17545000	AQ	EQ		C	FOLD ROLLER SUB	折りﾛｰﾗｰｻﾌﾞ
61	0CW4A17187000	AK	EB		C	FOLD ROLLER GUIDE 1	折りﾛｰﾗｰｶﾞｲﾄﾞ 1
62	0CW4A17309000	AE	DJ		C	GUIDE HOLDER FRONT 1	ｶﾞｲﾄﾞﾎﾙﾀﾞｰ前 1
63	0CW4A17310000	AE	DJ		C	GUIDE HOLDER REAR 1	ｶﾞｲﾄﾞﾎﾙﾀﾞｰ後 1
64	0CW4A17186010	AL	EB		C	FOLD ROLLER GUIDE 2	折りﾛｰﾗｰｶﾞｲﾄﾞ 2
65	0CW4A17311000	AE	DJ		C	GUIDE HOLDER FRONT 2	ｶﾞｲﾄﾞﾎﾙﾀﾞｰ前 2
66	0CW4A17312000	AE	DJ		C	GUIDE HOLDER REAR 2	ｶﾞｲﾄﾞﾎﾙﾀﾞｰ後 2
67	0CW4A17207000	AR	EQ		C	PAPER GUIDE UPPER	ﾂｳｼｶﾞｲﾄﾞ上
69	0CW4A17204000	AM	EG		C	PAPER GUIDE LOWER	ﾂｳｼｶﾞｲﾄﾞ下
70	0CW4A18322000	AC	DJ		C	LEAF EARTH SPRING	ｱｰｽ板ﾊﾞﾈ
71	0CW4A17470000	AP	EQ		C	SUB FRAME FRONT	ｻﾌﾞﾌﾚｰﾑ前
72	0CW4A17254000	AX	FQ		C	FOLD SHAFT 1	折り部軸 1
73	0CW4A17255000	AY	FQ		C	FOLD SHAFT 2	折り部軸 2
74	0CW4A17175000	AF	DS		C	FOLD SUPPORT ROLLER PLATE FRONT	折りﾛｰﾗｰ支持板前
75	0CW4A17176000	AF	DS		C	FOLD SUPPORT ROLLER PLATE REAR	折りﾛｰﾗｰ支持板後
76	0CW4A17492000	AF	DS		C	BANDAGE COVER	目隠しｶﾊﾞｰ
502	0CWXD32200102	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ
504	0CWXD32300142	AD	DJ		C	PIN DOWEL	平行ﾋﾟﾝ
506	0CWXD32300182	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ

14 折り部 3/3 (Fold Assembly 3/3)

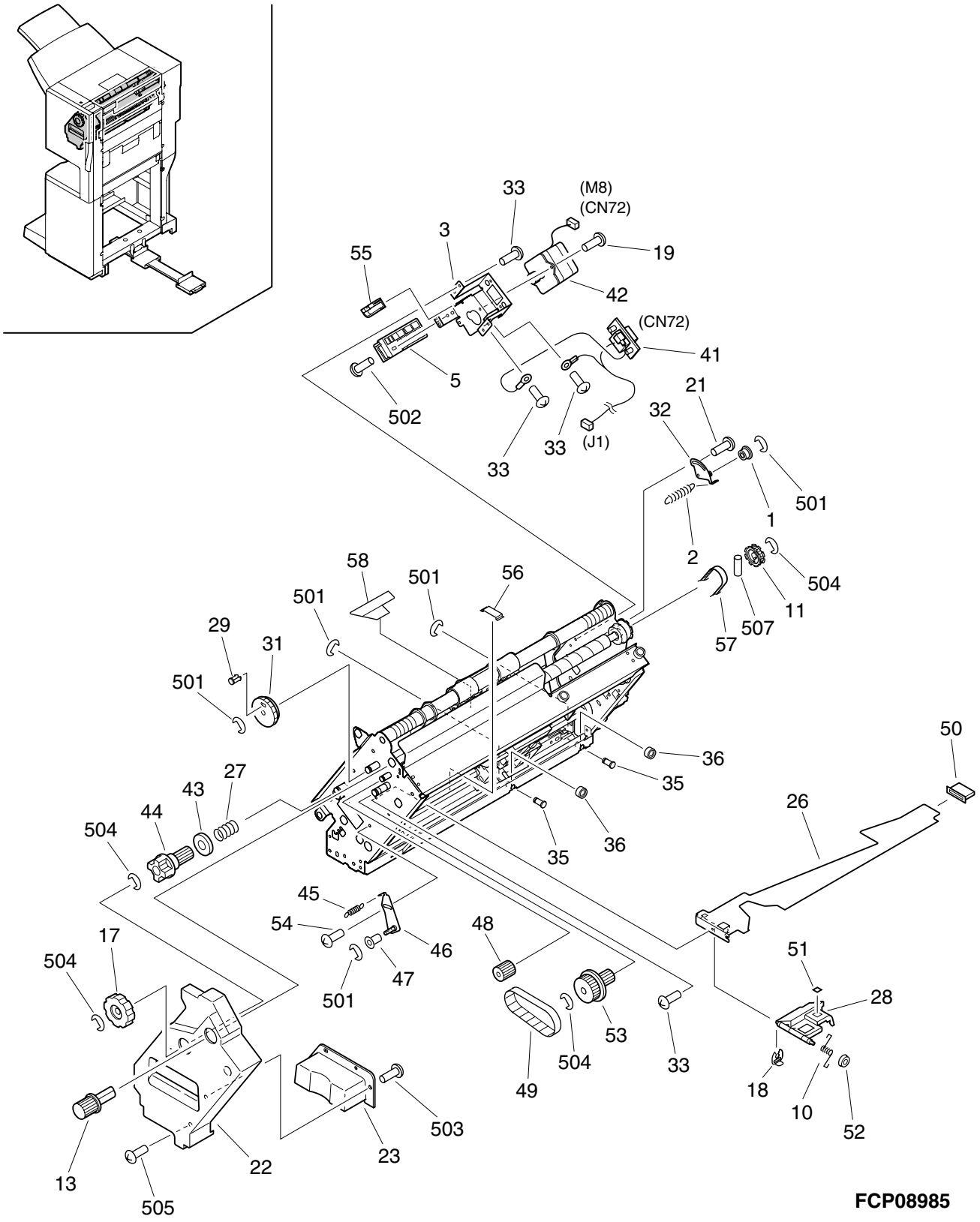


FCP08984

15 ｽﾃｲﾌﾟﾙ部 1/2 (Staple Assembly 1/2)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4A18206000	AD	DJ		C	TENSION ROLLER	ﾃﾝｼｮﾝﾛｰﾗｰ
2	0CW4A18207000	AN	EQ		C	TENSION SPRING	引張ﾊﾞﾈ
3	0CW4A18214000	AG	DX		D	MOTOR COVER	ﾓｰﾀｰｶﾊﾞｰ
5	0CW4A18217000	AE	DS		C	CAM STOPPER 1	ｶﾑｽﾄｯﾊﾟ 1
10	0CW4A17592000	AE	DJ		C	TORSION SPRING	ﾈｼﾞﾘﾊﾞﾈ
11	0CW4A18225000	AD	DJ		C	PULLEY(38T)	ﾌﾟｰﾘｰ
13	0CW4A18904000	AF	DS		C	STAPLE MOVABLE KNOB	ｽﾃｨﾌﾟﾙ移動ﾉﾌﾞ
17	0CW4A18905000	AH	DX		C	JAM CLEANING KNOB	JAM 処理ﾉﾌﾞ
18	0CWFC30661000	AC	DJ		C	CLIP	ｸﾘｯﾌﾟ
19	0CWFC15034000	AC	DJ		C	SCREW W/WASHER(M3×6)	ﾊﾞﾈ付ﾅﾍﾞﾋﾞｽ
21	0CW4S19076000	AC	DJ		C	SCREW(M3×8)	ﾋﾞｽ
22	0CW4A18238000	AR	EQ		D	FRONT COVER	前ｶﾊﾞｰ
23	0CW4A18907000	AH	DX		D	HANDLE COVER	ﾄｯﾃｶﾊﾞｰ
26	0CW4A18240000	AQ	EQ		C	PAPER COVER	紙ｶﾞｲﾄﾞ
27	0CW4B10743000	AE	DJ		C	COMPRESSION SPRING	圧縮ﾊﾞﾈ
28	0CW4A17581000	AF	DS		C	PAPER GUIDE SUB	紙ｶﾞｲﾄﾞ板ｻﾌﾞ
29	0CW4A17584000	AD	DJ		C	MARKER PIN	表示ﾏｰｶｰﾋﾟﾝ
31	0CW4A17583000	AD	DJ		C	GEAR(42T)	ｷﾞｱ
32	0CW4F11679000	AF	DS		C	TENSION PLATE	ﾃﾝｼｮﾅ板
33	0CWFC30779000	AC	DJ		C	SCREW(M3×6)	ﾋﾞｽ
35	0CW4A18210000	AD	DJ		C	PIN SLIDE	ｽﾗｲﾄﾞﾋﾟﾝ
36	0CW4A18198000	AC	DJ		C	ROLLER	ｺﾛ
41	0CW4H16506000	AW	FG		C	CABLE STAPLER 2	ｽﾃｨﾌﾟﾗ束線 2
42	0CW4K11070000	BE	GN		B	STEPPING MOTOR	ｽﾃｯﾋﾟﾝｸﾞﾓｰﾀｰ
43	0CW4B10754000	AE	DJ		C	FLANGE	ﾌﾗﾝｼﾞ
44	0CW4B10744000	AE	DJ		C	PULLEY	ﾌﾟｰﾘｰ
45	0CW4S10280000	AD	DS		C	TENSION SPRING	引張ﾊﾞﾈ
46	0CW4F12053000	AH	DX		C	PLATE STAPLE TENSION	ｽﾃｲﾌﾟﾙﾃﾝｼｮﾅ板
47	0CW4B10746000	AD	DJ		C	TENSION ROLLER	ﾃﾝｼｮﾅﾛｰﾗｰ
48	0CW4A18232000	AF	DS		C	GEAR(18T/66T)	ｷﾞｱ
49	0CWXF21804070	AQ	EQ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
50	0CW4B10742000	AF	DS		C	GUIDE	ｶﾞｲﾄﾞ
51	0CW4A17590000	AC	DJ		C	STAPLE GUIDE PAD	ｽﾃｲﾌﾟﾙｶﾞｲﾄﾞﾊﾟｯﾄﾞ
52	0CWRA22452000	AC	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
53	0CW4B10740000	AE	DS		C	GEAR(16/29T)	ｷﾞｱ
54	0CW040080FWWS	AC	DJ	N	C	SCREW	ﾋﾞｽ
55	0CW4A18881000	AF	DS		C	BUNDLE-WIRE GUIDE	ﾊﾞﾝﾄﾞﾙﾜｲﾔｰｶﾞｲﾄﾞ
56	0CW4A18211000	AD	DJ		C	FPC GUIDE	FPC ｶﾞｲﾄﾞ
57	0CW4A18227000	AP	EQ		B	BELT	ﾍﾞﾙﾄ
58	0CW4135Q401／／	AE	DJ	N	C	STAPLE DRIVER SHEET	ｽﾃｲﾌﾟﾙﾄﾞﾗｲﾊﾞｰﾏｲﾗｰ
501	0CWXD21100502	AC	DJ		C	E-RING	E ﾘﾝｸﾞ
502	0CWXB12300605	AB	DJ		C	SCREW(M3×6)	ﾋﾞｽ
503	0CWXB47401007	AB	DJ		C	SCREW TAPPING(M4×10)	ﾀｯﾋﾟﾝｸﾞﾋﾞｽ
504	0CWXD21100642	AC	DJ		C	E-RING	E ﾘﾝｸﾞ
505	0CWXB12400607	AB	DJ		C	SCREW(M4×6)	ﾋﾞｽ
507	0CWXD32300142	AD	DJ		C	PIN DOWEL	平行ﾋﾟﾝ

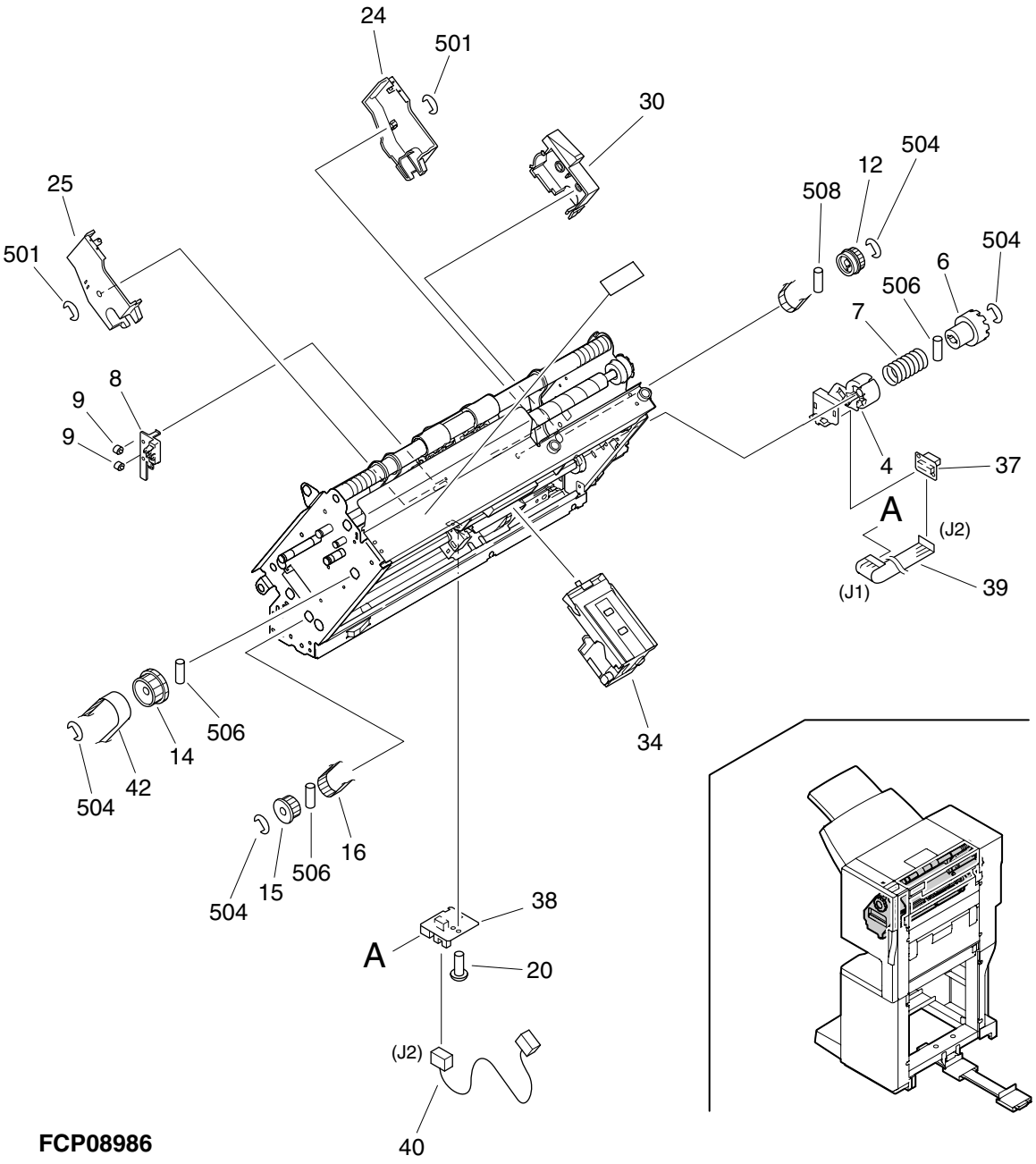
15 ｽﾃｲﾌﾟﾙ部 1/2 (Staple Assembly 1/2)



16 ｽﾃｲﾌﾟﾙ部 2/2 (Staple Assembly 2/2)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
4	0CW4A18215000	AF	DS		C	COUPLING FRAME	ｶｯﾌﾟﾘﾝｸﾞﾍﾞｰｽ
6	0CW4A18218000	AF	DS		C	COUPLING	ｶｯﾌﾟﾘﾝｸﾞ
7	0CW4A18219000	AF	DS		C	COMPRESSION SPRING	圧縮ﾊﾞﾈ
8	0CW4A17591000	AF	DS		C	STAPLE GUIDE ROLLER HOLDER	ｽﾃｨﾌﾟﾙｶﾞｲﾄﾞｺﾛﾎﾙﾀﾞｰ
9	0CW4A17589000	AD	DJ		C	STAPLE GUIDE ROLLER	ｽﾃｨﾌﾟﾙｶﾞｲﾄﾞｺﾛ
12	0CW4A18226000	AE	DJ		C	GEAR(36T/38T)	ｷﾞｱ
14	0CW4A18229000	AF	DS		C	GEAR(42T/32T)	ｷﾞｱ
15	0CW4A18230000	AE	DJ		C	PULLEY(24T)	ﾌﾟｰﾘｰ
16	0CWXF21309000	AS	EZ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
20	0CWFC25035000	AC	DJ		C	SCREW W/WASHER(M3×6)	ﾊﾞﾈ付ﾅﾍﾞﾋﾞｽ
24	0CW4A18265000	AE	DS		D	SIDE COVER RIGHT	ｻｲﾄﾞｶﾊﾞｰ右
25	0CW4A18264000	AE	DS		D	SIDE COVER LEFT	ｻｲﾄﾞｶﾊﾞｰ左
30	0CW4A18263000	AE	DS		D	GEAR COVER	ｷﾞｱｶﾊﾞｰ
34	0CW4A18884000	BF	GN		E	STAPLE CARTRIDGE UNIT	ｽﾃｨﾌﾟﾙｶｰﾄﾘｯｼﾞﾕﾆｯﾄ
37	0CW4099K310//	AM	EG	N	E	STAPLER BASE PWB ASSEMBLY	ｽﾃｨﾌﾟﾗﾍﾞｰｽ回路基板
38	0CW4099K312//	AP	EQ	N	E	STAPLER IN PWB ASSEMBLY	ｽﾃｨﾌﾟﾗｲﾝ回路基板
39	0CW4H16504000	AK	DX		C	CABLE STAPLER	ｽﾃｨﾌﾟﾗ束線
40	0CW4H16505000	AH	DX		C	CABLE STAPLER 1	ｽﾃｨﾌﾟﾗ束線 1
42	0CWXF21309000	AS	EZ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
501	0CWXD21100502	AC	DJ		C	E-RING	E ﾘﾝｸﾞ
504	0CWXD21100642	AC	DJ		C	E-RING	E ﾘﾝｸﾞ
506	0CWXD32300122	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ
508	0CWXD32200142	AC	DJ		C	PIN DOWEL	平行ﾋﾟﾝ

16 ｽﾃｲﾌﾟﾙ部 2/2 (Staple Assembly 2/2)



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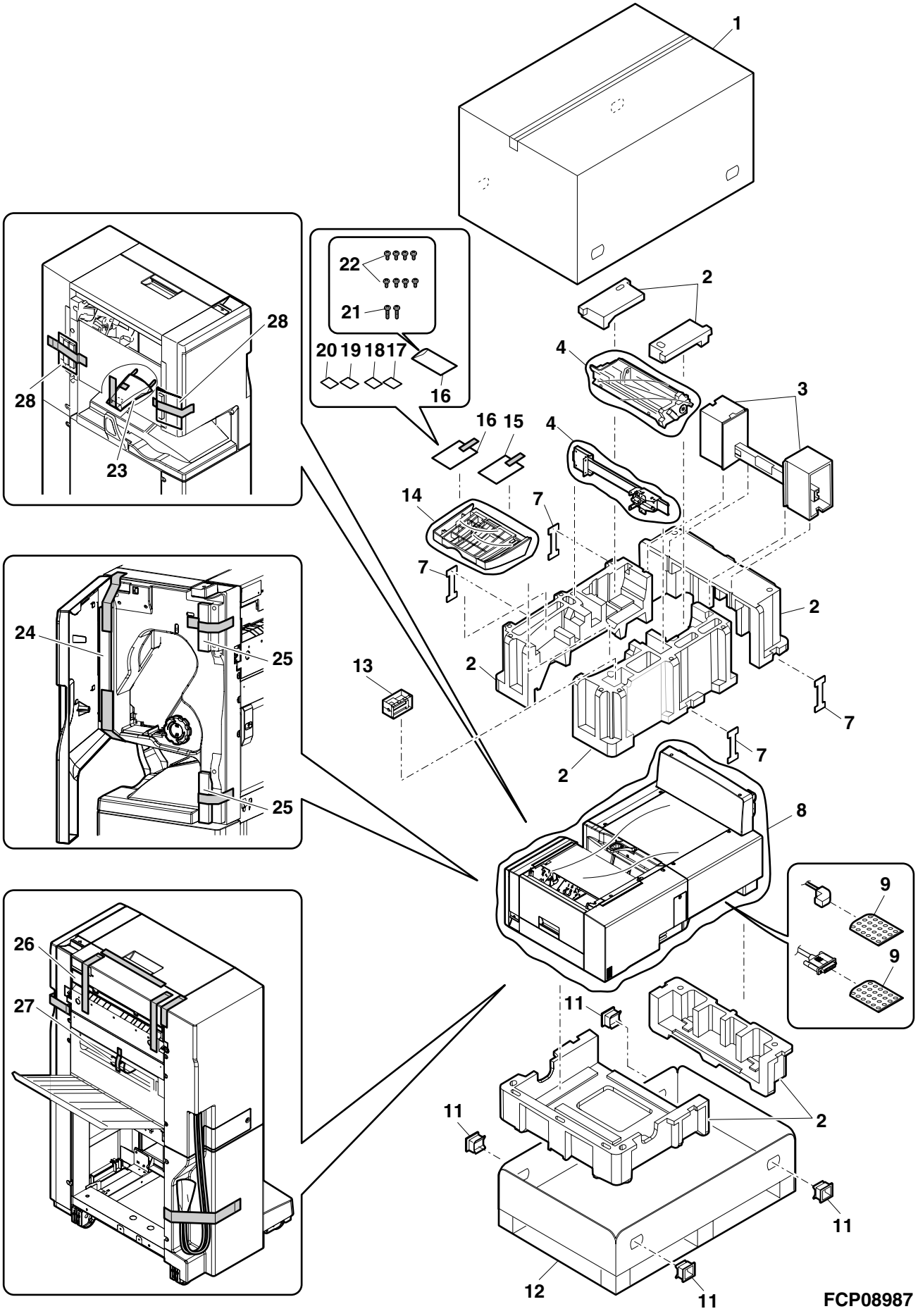
17 梱包 & 付属品 (Packing Material & Accessories)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4144P901//	BG	GT	N	D	PACKING CASE	(JAPAN) ﾊﾟｯｷﾝｸﾞｹｰｽ
	0CW4144P902//	BG	GT	N	D	PACKING CASE	(Other Countries) ﾊﾟｯｷﾝｸﾞｹｰｽ
2	0CW4144K600//	BP	LP	N	D	STAPLE PAD	ｱﾄﾞ
3	0CW4144P908//	AL	EB	N	D	PACKING ADD SPC	SPC ﾎﾞｰﾄﾞﾊﾟｯｷﾝｸﾞ
4	0CW2216P524//	AE	DS		D	VINYL BAG A(HOLE)	ﾋﾞﾆｰﾙ袋 A
7	0CW4144P909//	AE	DJ	N	D	PACKING ADD PAD	PAD ﾎﾞｰﾄﾞﾊﾟｯｷﾝｸﾞ
8	0CW4088P220//	AQ	EQ		D	VINYL BAG	ｶﾞｾﾞｯﾄ袋
9	0CW2158P380//	AE	DJ		D	HARNESS PACKING	ﾊｰﾈｽﾊﾟｯｷﾝｸﾞ
11	0CW4099P903//	AL	EB		D	JOINT	ﾊﾟﾅｼﾞｮｲﾝﾄ
12	0CW4144P900//	BQ	LP	N	D	PACKING PALLET	ﾊﾟﾚｯﾄ
13	0CW4110Q165//	AL	EB	N	D	PACKING ADD	ﾊﾟｯｷﾝｸﾞｱﾄﾞ
14	0CW2214P358//	AB	DJ		D	VINYL BAG(HS-1)	ﾋﾞﾆｰﾙ袋
15	0CW4134P420//	AF	DS		D	OPERATION MANUAL	設置手順書
16	0CW61637/////	AA	DJ	N	D	VINYL BAG C	ﾋﾞﾆｰﾙ袋 C
17	0CW4144P364//	AF	DS	N	D	PUNCH LABEL RSDF	ﾊﾟﾝﾁﾗﾍﾞﾙ RSDF
18	0CW4144P363//	AF	DS	N	D	PUNCH LABEL FIN	ﾊﾟﾝﾁﾗﾍﾞﾙ FIN
19	0CW4144P362//	AF	DS	N	D	STAPLE LABEL RSDF	ｽﾃｲﾌﾟﾙﾗﾍﾞﾙ RSDF
20	0CW4144P361//	AF	DS	N	D	STAPLE LABEL FIN	ｽﾃｲﾌﾟﾙﾗﾍﾞﾙ FIN
21	0CW040180NBP/	AC	DJ	N	C	SCREW	ﾋﾞｽ
22	0CWSCR00045//	AC	DJ		C	SCREW	ﾋﾞｽ
23	0CW4099P913//	AC	DJ		D	PACKING MAT SD	ﾊﾟｯｷﾝｸﾞﾏｯﾄ
24	0CW4144P911//	AE	DS	N	D	PACKING ADD CVR	CVR ﾎﾞｰﾄﾞﾊﾟｯｷﾝｸﾞ
25	0CW4144P912//	AE	DJ	N	D	PACKING ADD	CVR ｱﾄﾞ
26	0CW4144P910//	AQ	EQ	N	D	PACKING ADD DP	DP ﾎﾞｰﾄﾞﾊﾟｯｷﾝｸﾞ
27	0CW4099P912//	AD	DJ		D	MIRROR PAD(85×85)	ﾐﾗﾏｯﾄ
28	0CW4099P911//	AC	DJ		D	MIRROR PAD(80×80)	ﾐﾗﾏｯﾄ

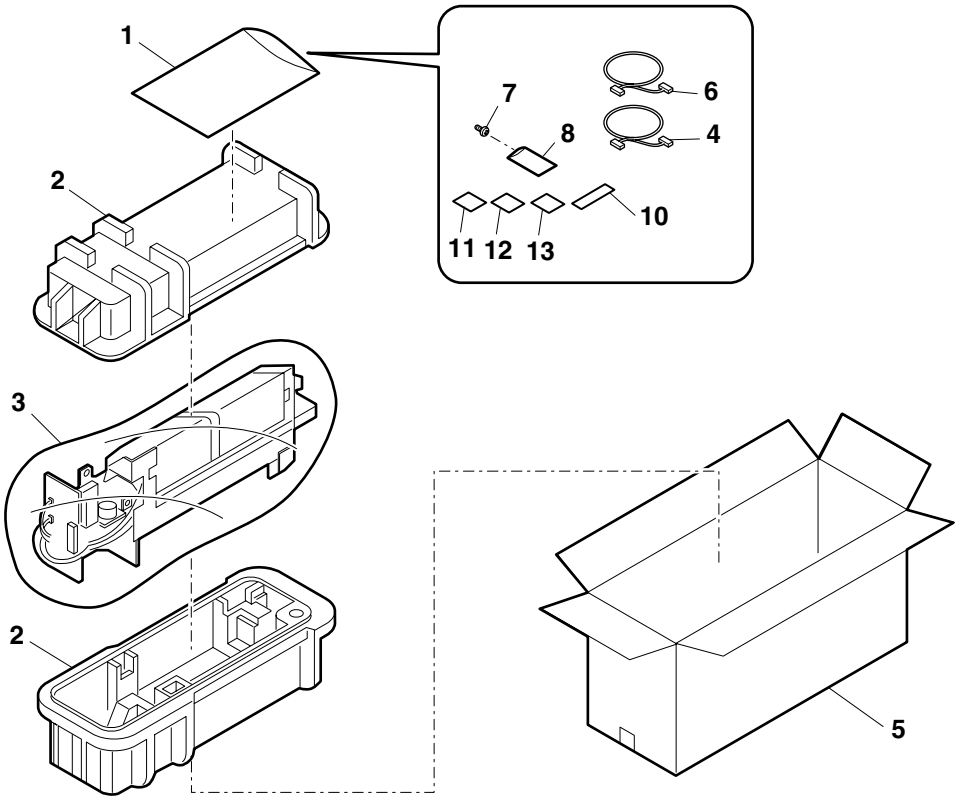
17 梱包 & 付属品 (Packing Material & Accessories)



18 梱包 & 付属品 (Packing Material & Accessories)[AR-PN1]

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW2111P021//	AC	DJ		D	VINYL BAG A	ﾎｰﾙｽﾙｰ袋 A
2	0CW1020K435//	AY	FQ		D	PAD SET	ﾊﾟｯﾄ組品 SH
3	0CW1020P832//	AF	DS		D	VINYL BAG E	ﾎﾞﾘ袋 E
4	0CW1020K375//	AH	DX		D	ASM-I/F HARNESS	ASM-I/F ﾊｰﾈｽ
5	0CW1020P827//	AQ	EQ		D	PACKING CASE	ﾊﾟｯｷﾝｸﾞｹｰｽ
6	0CW1020K374//	AN	EG		D	ASM-POWER HARNESS	ASM-POWER ﾊｰﾈｽ
7	0CW040060FZTW	AC	DJ		C	SCREW	ﾋﾞｽ
8	0CW616371////	AA	DJ		D	VINYL BAG C(80×120)	ﾋﾞﾆｰﾙ袋 C
10	0CW4B10489000	AF	DS		D	LABEL	ﾊﾟﾝﾁｸｽﾞｽﾃﾗﾍﾞﾙ
11	0CW4B10488000	AF	DS		D	PUNCH POSITION LABEL(2-HOLE) (FOR JAPAN AND EUROPE)	ﾊﾟﾝﾁ位置ﾗﾍﾞﾙ
12	0CW4B10485000	AF	DS		D	PUNCH POSITION LABEL(2/3-HOLE) (FOR U.S.A,CANADA,AUSTRALIA AND NEW ZEALAND)	ﾊﾟﾝﾁ位置ﾗﾍﾞﾙ
13	0CW4B10486000	AF	DS		D	PUNCH POSITION LABEL(4-HOLE) (FOR EUROPE)	ﾊﾟﾝﾁ位置ﾗﾍﾞﾙ
100	0CW1020P711B/	AK	DX		D	INST. MANUAL	ﾊﾟﾝﾁﾕﾆｯﾄ設置手順書ﾍﾟﾗ

18 梱包 & 付属品 (Packing Material & Accessories)[AR-PN1]



FCP08988

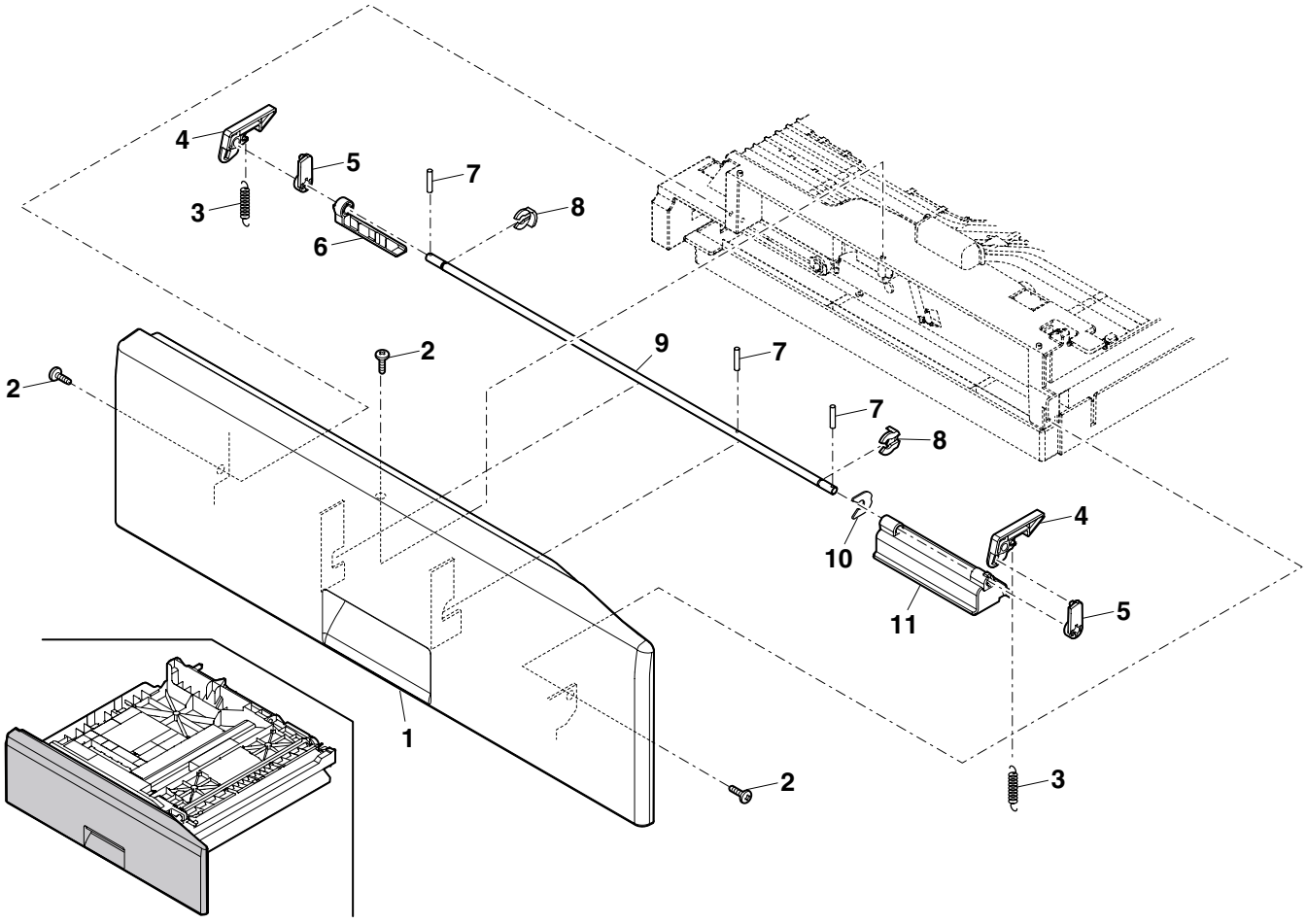
19 DC ｺﾝﾄﾛｰﾗｰ回路基板 (DC CONTROLLER PWB ASSEMBLY)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW323000048//	AH	DX	N	B	EP-ROM(S-93C46BD0I-D8S1G)	EP-ROM
2	0CWE312001475	AF	DS		B	TRANSISTOR(2SK3495)	ﾄﾗﾝｼﾞｽﾀｰ
3	0CWE321000945	AT	EZ	N	B	IC(A3984SLP)	IC
4	0CWE323000494	AH	DX	N	B	IC(S-93C46BD0I-D8S1G)	IC
5	0CWE323000483	AH	DX	N	B	IC(S-93C46BD0I-D8S1G)	IC
6	0CWE73543M476	AD	DJ		C	CAPACITOR(16CV47BS)	ｺﾝﾃﾞﾝｻｰ
7	0CWE74566WE03	AD	DJ	N	C	CONNECTION(B3B-XH-A-LF)	ｺﾈｸﾀｰ
8	0CWE74566WE04	AD	DJ	N	C	CONNECTION(B4B-XH-A-LF)	ｺﾈｸﾀｰ
9	0CWE7709532//	AF	DS	N	B	IC(TC7W32F)	IC
	(Unit)						
901	0CW4144K302//	CE	UF	N	E	DC CONTROLLER PWB ASSEMBLY	DC ｺﾝﾄﾛｰﾗｰ回路基板

20 前ｶﾊﾞｰﾕﾆｯﾄ (FRONT COVER UNIT)[MX-RBX1]

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4145P019／／	BK	HG	N	D	Front cover	ﾌﾛﾝﾄｶﾊﾞｰ
2	0CW040100FWBB	AC	DJ	N	C	Screw(040100FWBB)	ﾋﾞｽ
3	0CW4145P319／／	AD	DJ	N	C	Ratch spring	ﾗｯﾁﾊﾞﾈ
4	0CW4145P009／／	AE	DS	N	C	F cover ratch	ﾗｯﾁ
5	0CW4145P005／／	AE	DS	N	C	Cover sub ratch	取っ手ﾘﾝｸﾚﾊﾞｰ
6	0CW4145P029／／	AH	DX	N	C	DF open link lever(PF4145P029)	ﾕﾆｯﾄ開閉ﾘﾝｸﾚﾊﾞｰ
7	0CW020100SCH／	AA	DD		C	Pin(φ2×10)	ﾍｲｺｳﾋﾟﾝ
8	0CWNSCLP00008	AE	DJ	N	C	Clip 5(NS-CLP00008)	樹脂ｸﾘｯﾌﾟ5(取手付)
9	0CW4145P201／／	AU	FG	N	C	Ratch lever shaft	ﾌﾛﾝﾄｶﾊﾞｰ支点軸
10	0CWNSCLP00005	AE	DJ	N	C	Clip 5(NS-CLP00005)	樹脂ｸﾘｯﾌﾟ5(取手無)
11	0CW4145P006／／	AP	EQ	N	C	F cover lever	取っ手

20 前ｶﾊﾞｰﾕﾆｯﾄ (FRONT COVER UNIT)[MX-RBX1]

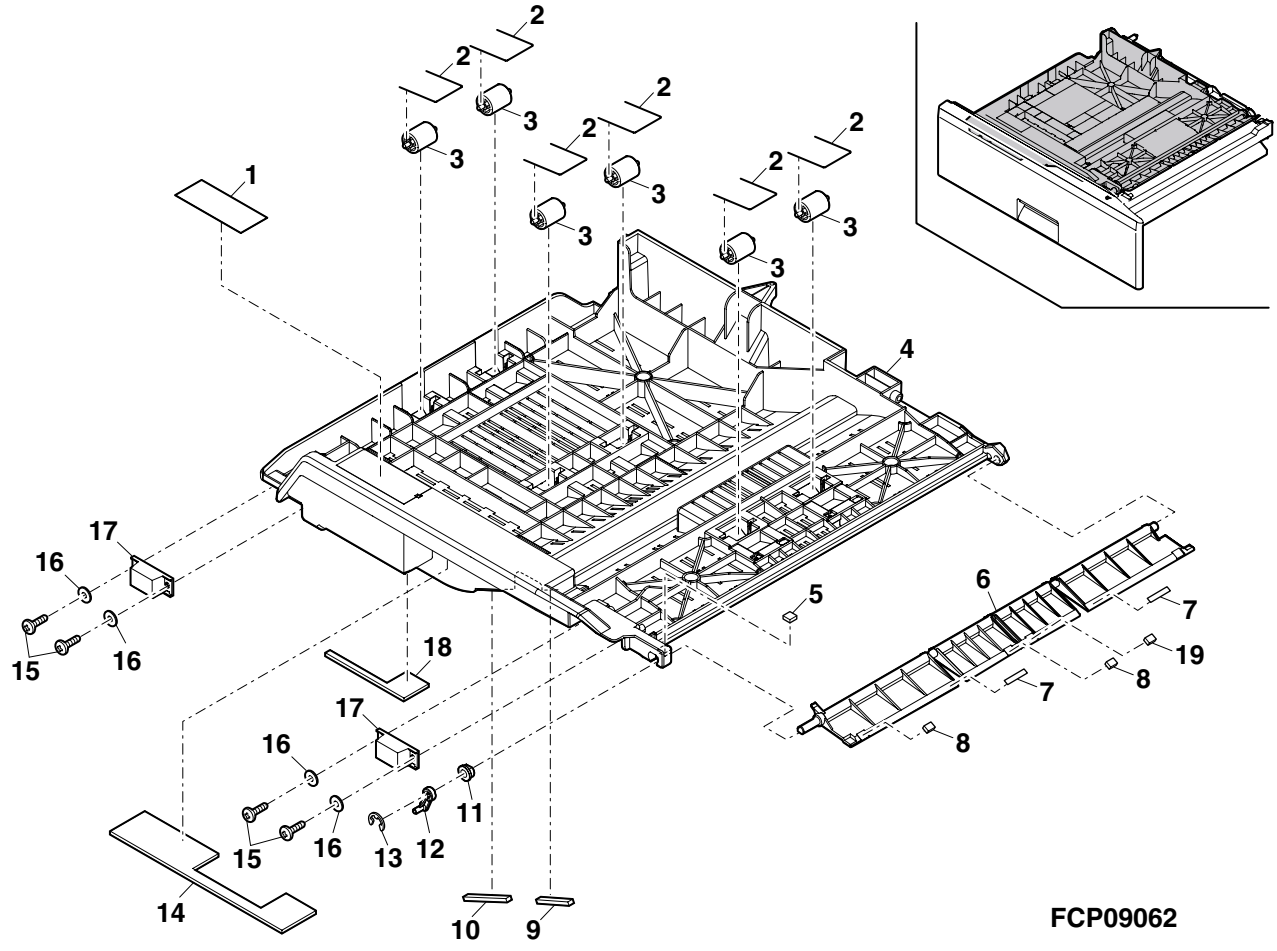


FCP09061

21 搬送部 No1(TRANSPORT SECTION No.1)[MX-RBX1]

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4145P308//	AF	DS	N	D	UF HDL label	上ｶﾞｲﾄﾞ JAM 処理ﾗﾍﾞﾙ
2	0CW4145P306//	AC	DJ	N	C	UF roller spring	ﾋﾟﾝﾁｺﾛ線ﾊﾞﾈ
3	0CW4076P057//	AF	DS	N	C	Pinch roller	ﾋﾟﾝﾁｺﾛ
4	0CW4145P001//	BQ	LP	N	C	UF guide	上ｶﾞｲﾄﾞ
5	0CW4145P307//	AC	DJ	N	C	UF flp cushion	上ｶﾞｲﾄﾞﾌﾗｯﾊﾟｰﾀﾞﾝﾊﾟｰ
6	0CW4145P333//	BA	FX	N	C	UF flapper	上ｶﾞｲﾄﾞﾌﾗｯﾊﾟｰ
7	0CW4145P343//	AD	DJ	N	C	UF flp mylar	ﾏｲﾗｰ
8	0CW4145P344//	AD	DJ	N	C	UF flp cushion 1	上ｶﾞｲﾄﾞﾌﾗｯﾊﾟｰﾀﾞﾝﾊﾟｰ 1
9	0CW4145P331//	AD	DJ	N	C	UF cushion F5	上ｶﾞｲﾄﾞﾀﾞﾝﾊﾟｰ 5
10	0CW4145P329//	AD	DJ	N	C	UF cushion F4	上ｶﾞｲﾄﾞﾀﾞﾝﾊﾟｰ 4
11	0CWNSBSH00002	AH	DX	N	C	Bearing	樹脂軸受
12	0CW4145P003//	AE	DJ	N	C	UF flp arm	ﾌﾗｯﾊﾟｰﾘﾝｸﾚﾊﾞｰ
13	0CWER040SKP//	AB	DD		C	E type ring 4	E ﾘﾝｸﾞ 4
14	0CW4145P327//	AR	EQ	N	C	UF cushion f2	上ｶﾞｲﾄﾞﾀﾞﾝﾊﾟｰ 2
15	0CW030100FWBB	AC	DJ	N	C	Screw(M3×10)	ﾋﾞｽ
16	0CWHW030FNS//	AC	DJ	N	C	Washer(HW-030)	平ﾜｯｼｬｰ
17	0CW2214P393//	AG	DX		C	Magnet catch 13N	ﾏｸﾞﾈｯﾄｷｬｯﾁ 13N
18	0CW4145P326//	AG	DX	N	C	UF cushion F1	上ｶﾞｲﾄﾞﾀﾞﾝﾊﾟｰ 1
19	0CW4145P345//	AD	DJ	N	C	UF flp cushion 2	上ｶﾞｲﾄﾞﾌﾗｯﾊﾟｰﾀﾞﾝﾊﾟｰ 2

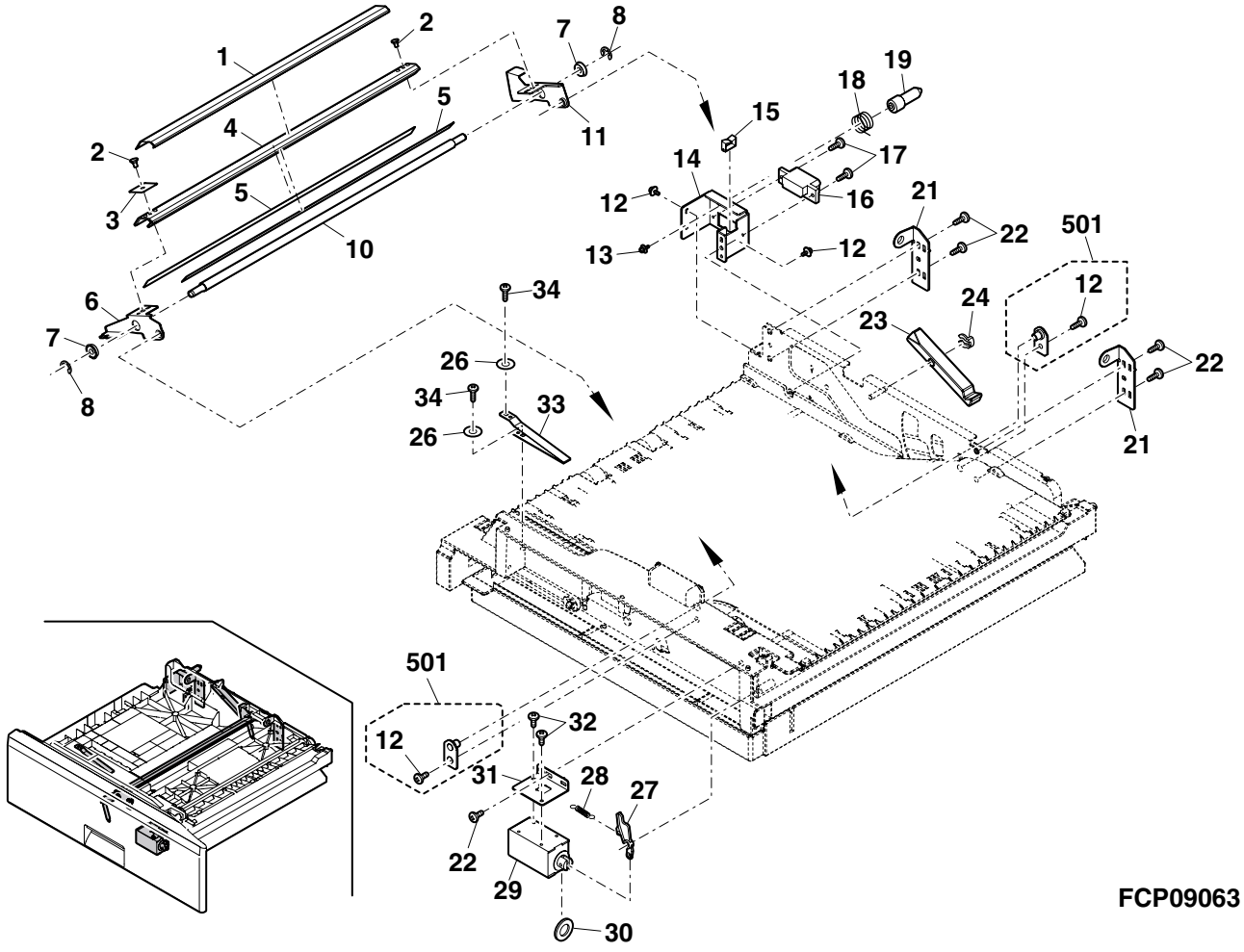
21 搬送部 No1(TRANSPORT SECTION No.1)[MX-RBX1]



22 搬送部 No2(TRANSPORT SECTION No.2)[MX-RBX1]

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4145P321//	AN	EG	N	C	Heatproof prevention sheet	耐熱防止ｼｰﾄ
2	0CWNSSCR00226	AE	DJ	N	C	Screw(SCR03M040-D040015)	ﾋﾞｽ
3	0CW4145P341//	AD	DJ	N	C	Heatproof prevention sheet 2	耐熱防止ｼｰﾄ 2
4	0CW4145P109//	AS	EQ	N	C	DCN guide	入口後ｺﾛﾕﾆｯﾄｶﾞｲﾄﾞ
5	0CW4145P309//	AG	DX	N	C	DCN up mylar	ﾏｲﾗｰ
6	0CW4145P107//	AH	DX	N	C	DCN f guide arm	入口後ｺﾛﾕﾆｯﾄ前ﾌﾞﾗｹｯﾄ
7	0CWNSBRG00110	AU	EZ	N	C	Bearing(NS-BRG00110)	ﾍﾞｱﾘﾝｸﾞ
8	0CWER040SKP//	AB	DD		C	E type ring 4	Eﾘﾝｸﾞ 4
10	0CW4145P202//	AV	FG	N	C	DCN shaft	入口後ｺﾛ
11	0CW4145P108//	AH	DX	N	C	DCN R guide arm	入口後ｺﾛﾕﾆｯﾄ後ﾌﾞﾗｹｯﾄ
12	0CWNSSCR00017	AD	DJ	N	C	Screw(NS-SCR00017)	ﾋﾞｽ
13	0CW040080FWWS	AC	DJ	N	C	Screw(SCR040080FWWS)	ﾋﾞｽ
14	0CW4145P101//	AN	EG	N	C	Positioning bracket	位置決めﾌﾞﾗｹｯﾄ
15	0CWE450000384	AB	DD		C	Edge suddle(EDS-2)	ｴｯｼﾞｻﾄﾞﾙ
16	0CW4145K532//	BA	FX	N	C	Harness-RELAY-UNIT(PF4145K532)	ﾄﾞﾛﾜﾊｰﾈｽ
17	0CW030080FWBi	AC	DJ	N	C	Screw(SCR-030-080)	ﾋﾞｽ
18	0CW4145P312//	AG	DX	N	C	Earth spring(150-120-5000)	ﾕﾆｯﾄｱｰｽﾊﾞﾈ
19	0CW4145P205//	AR	EQ	N	C	Positioning shaft	位置決め軸
21	0CW4145P104//	AK	DX	N	C	UF hinge bracket	上ｶﾞｲﾄﾞ支点ﾌﾞﾗｹｯﾄ
22	0CW030060FWWS	AC	DJ	N	C	Screw(SCR03M060-WS-W)	ﾋﾞｽ
23	0CW4145P015//	AF	DS	N	C	DCN up lever	入口後ｺﾛﾕﾆｯﾄ解除ﾚﾊﾞｰ
24	0CWNSCLP00005	AE	DJ	N	C	Clip 5(NS-CLP00005)	樹脂ｸﾘｯﾌﾟ 5(取手無)
26	0CWHW030FNS//	AC	DJ	N	C	Washer(HW-030)	平ﾜｯｼｬｰ
27	0CW4145P004//	AE	DS	N	C	UF solenoid lever	ｿﾚﾉｲﾄﾞﾘﾝｸﾚﾊﾞｰ
28	0CW4145P305//	AD	DJ	N	C	Solenoid link spring(40-216-854)	ｿﾚﾉｲﾄﾞﾘﾝｸﾊﾞﾈ
29	0CW4145K552//	BE	GN	N	B	Solenoid(TDS-12E-81A)	ﾌﾗｯﾊﾟｰｿﾚﾉｲﾄﾞ
30	0CW4145P347//	AE	DJ		C	Cushion-SOL-P(PF4145P347)	ｿﾚﾉｲﾄﾞﾀﾞﾝﾊﾟｰ
31	0CW4145P103//	AF	DS	N	C	Solenoid bracket	ｿﾚﾉｲﾄﾞﾌﾞﾗｹｯﾄ
32	0CW030050FWWS	AC	DJ	N	C	Screw(030050FWWS)	ﾋﾞｽ
33	0CW4145P324//	AF	DS	N	C	Stopper band	ｽﾄｯﾊﾟｰﾊﾞﾝﾄﾞ
34	0CW030100FWBB	AC	DJ	N	C	Screw(M3×10)	ﾋﾞｽ
501	0CW4145K018//	AG	DS	N	E	Hinge beracket	入口後ｺﾛﾕﾆｯﾄ支点ｶｼﾒﾌﾞﾗｹｯﾄ

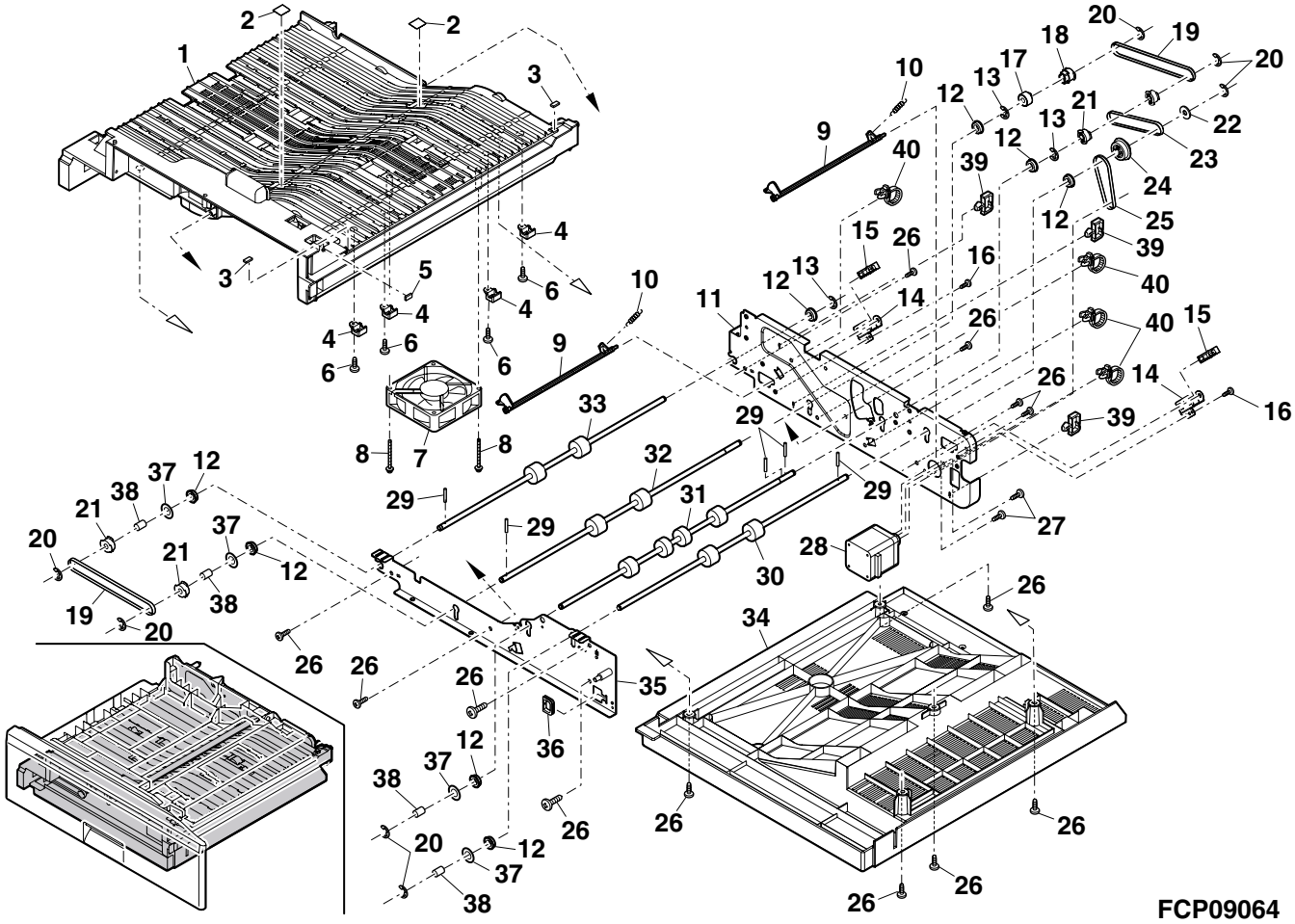
22 搬送部 No2(TRANSPORT SECTION No.2)[MX-RBX1]



23 搬送部 No3(TRANSPORT SECTION No.3)[MX-RBX1]

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4145P013//	BS	MW	N	D	DF guide	下ｶﾞｲﾄﾞ
2	0CW4145P315//	AC	DJ	N	C	DCN down mylar 1	ﾏｲﾗｰ
3	0CW4145P336//	AC	DJ	N	C	DF cushion 5-7	上ｶﾞｲﾄﾞﾌﾗｯﾊﾟｰﾀﾞﾝﾊﾟｰ
4	0CW4145P028//	AE	DS	N	C	Harness holder	ﾊｰﾈｽ押さえ
5	0CW4145P342//	AD	DJ	N	C	DF solenoid cushion	ｿﾚﾉｲﾄﾞﾀﾞﾝﾊﾟｰ
6	0CW030100FWBB	AC	DJ	N	C	Screw(M3×10)	ﾋﾞｽ
7	0CW4145K551//	BD	GN	N	B	Fan(3110RL-05W-B39)	ﾌｧﾝﾓｰﾀｰ
8	0CWNSSCR00087	AE	DS	N	C	Screw(NS-SCR00087)	ﾋﾞｽ
9	0CW4145P030//	AH	DX	N	C	DF sensor lever	紙ﾊﾟｽｾﾝｻｰﾚﾊﾞｰ
10	0CW4145P338//	AD	DJ	N	C	Sensor spring(30-214-34)	紙ﾊﾟｽｾﾝｻｰﾊﾞﾈ
11	0CW4145K021//	AZ	FQ	N	C	Rear frame bracket	ﾘｱ側板ｶｼﾒﾌﾞﾗｹｯﾄ
12	0CWNSBRG00110	AU	EZ	N	C	Bearing(NS-BRG00110)	ﾍﾞｱﾘﾝｸﾞ
13	0CWER040SKP//	AB	DD		C	E type ring 4	Eﾘﾝｸﾞ 4
14	0CW4145P110//	AG	DS	N	C	Pas sensor bracket	紙ﾊﾟｽｾﾝｻｰﾌﾞﾗｹｯﾄ
15	0CWE314000784	AP	EQ	N	B	Sensor(E314000784)(GP1S73P2J00F)	ｾﾝｻｰ
16	0CWNSSCR00017	AD	DJ	N	C	Screw	ﾋﾞｽ
17	0CW4145P311//	AS	EZ	N	C	Motor out joint	ﾜﾝｳｪｲｼﾞｮｲﾝﾄ
18	0CW4145P026//	AE	DS	N	C	Pulley	ﾌﾟｰﾘｰ
19	0CWNSBLT00338	AS	EQ	N	B	Belt(NS-BLT00338)	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
20	0CWER050SKP//	AA	DD		C	E type ring 5	Eﾘﾝｸﾞ 5
21	0CW4145P035//	AE	DJ	N	C	Pulley(S3M-16)	ﾌﾟｰﾘｰ
22	0CW2268P076//	AD	DJ		C	Flange	樹脂ﾌﾗﾝｼﾞ
23	0CWNSBLT00339	AR	EQ	N	B	Belt(S3M068040)	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
24	0CW4145P010//	AF	DS	N	C	Pulley(S3M-16-25)	ﾌﾟｰﾘｰ
25	0CWNSBLT00333	AS	EQ	N	B	Belt(S3M054040)	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
26	0CW040100FWBB	AC	DJ	N	C	Screw(040100FWBB)	ﾋﾞｽ
27	0CW030060FWWS	AC	DJ	N	C	Screw(030060FWWS)	ﾋﾞｽ
28	0CW4145K550//	BL	HL	N	B	Drive motor(PF4145K550)	駆動ﾓｰﾀｰ
29	0CW020100SCH/	AA	DD		C	Pin(φ2×10)	ﾍｲｺｳﾋﾟﾝ
30	0CW4145P300//	AY	FQ	N	C	DF in delivery roller	入口搬送ﾛｰﾗ
31	0CW4145P303//	AZ	FX	N	C	DF dcn delivery roller	排紙搬送ﾛｰﾗ
32	0CW4145P301//	BA	FX	N	C	DF out delivery roller 1	入口後搬送ﾛｰﾗ 1
33	0CW4145P302//	AY	FQ	N	C	DF out delivery roller 2	排紙前搬送ﾛｰﾗ 2
34	0CW4145P025//	BQ	LP	N	D	Bottom cover	底ｶﾊﾞｰ
35	0CW4145K020//	AZ	FX	N	C	Front frame bracket	ﾌﾛﾝﾄ側板ｶｼﾒﾌﾞﾗｹｯﾄ
36	0CWWT25035000	AD	DJ		C	Edge saddle(EDS-0607M)	ｴｯｼﾞｻﾄﾞﾙ
37	0CWPW060025//	AA	DJ		C	Poliyslider	ﾎﾟﾘｽﾗｲﾀﾞｰ
38	0CW4145P317//	AD	DJ	N	C	Spring(73-100-6000)	ﾛｰﾗｶﾞﾀ止めﾊﾞﾈ
39	0CWE450001148	AE	DS	N	C	HARENSS CLAMP(RLMC-05T V0)	ﾊｰﾈｽｸﾗﾝﾌﾟ
40	0CWE450001128	AC	DJ		C	Wire band(RSG-100)	ﾜｲﾔｰﾊﾞﾝﾄﾞ

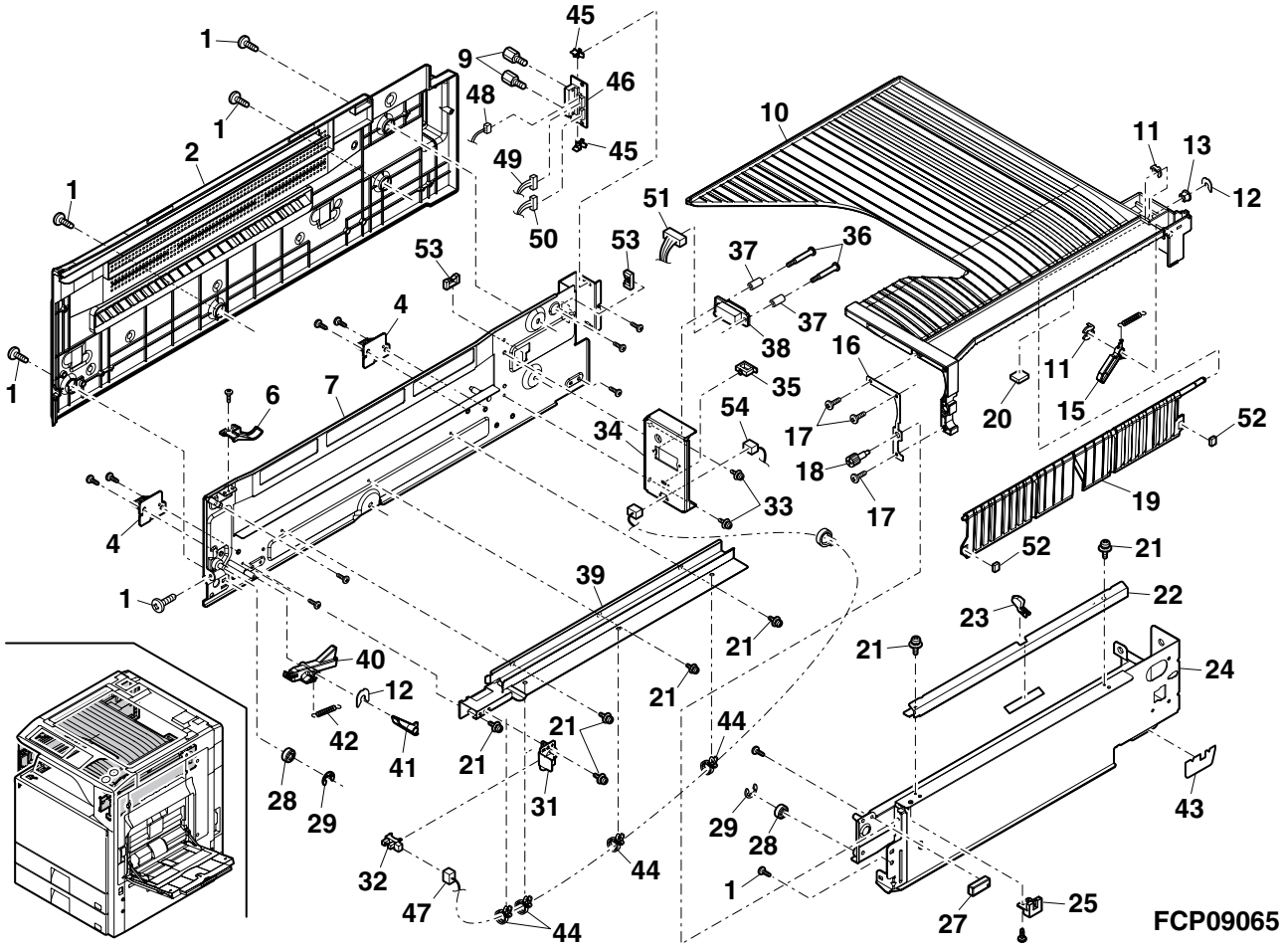
23 搬送部 No3(TRANSPORT SECTION No.3)[MX-RBX1]



24 排紙ﾄﾚｲ & ﾚｰﾙ部 (DELIVERY PAPER TARY & RAIL SECTION)[MX-RBX1]

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW040080FWBP	AC	DJ	N	C	Screw(SCR-040-080WBP)	ﾋﾞｽ
2	0CW4145P012//	BH	GX	N	D	Left cover	左ｶﾊﾞｰ
4	0CW4145P017//	AG	DX	N	C	Lock hfs holder	ﾌｨﾆｯｼｬｰﾗｯﾁ受け
6	0CW4145P032//	AE	DS	N	C	UF holder	上ｶﾞｲﾄﾞ押さえ
7	0CW4145K010//	BH	GX	N	C	Left frame bracket	左ﾚｰﾙｶｼﾒﾌﾞﾗｹｯﾄ
9	0CW4145P502//	AR	EQ	N	C	Screw(JFS-2.6S-B1WM)	IF ｺﾈｸﾀｰ固定ﾈｼﾞ
10	0CW4145P018//	BL	HG	N	C	Reverse tray	反転ﾄﾚｲ
11	0CWNSCLP00008	AE	DJ	N	C	Clip 8(050140W)	樹脂ｸﾘｯﾌﾟ 8
12	0CWNSCLP00005	AE	DJ	N	C	Clip 5(050060W)	樹脂ｸﾘｯﾌﾟ 5
13	0CWNSBSH00002	AH	DX	N	C	Bearing	樹脂軸受
15	0CW4145P024//	AE	DS	N	C	Reverse flp link lever	反転ﾌﾗｯﾊﾟｰﾘﾝｸﾚﾊﾞｰ
16	0CW4145P124//	AG	DX	N	C	Reverse tray bracket	反転ﾄﾚｲ補強ﾌﾞﾗｹｯﾄ
17	0CW030100FWBB	AC	DJ	N	C	Screw(030100FWBB)	ﾋﾞｽ
18	0CW4145P351//	AG	DX	N	C	Screw(SCR-040-060-D-CO1N-1)	反転ﾄﾚｲ固定ﾈｼﾞ
19	0CW4145P334//	BA	FX	N	C	Reverse flapper	反転ﾌﾗｯﾊﾟｰ
20	0CW4145P346//	AD	DJ	N	C	Reverse tray cushion	反転ﾄﾚｲﾀﾞﾝﾊﾟｰ
21	0CWNSSCR00017	AD	DJ	N	C	Screw(NS-SCR00017)	ﾋﾞｽ
22	0CW4145P121//	AN	EG	N	C	Pntrance guide	入口ｶﾞｲﾄﾞ
23	0CW4145P033//	AG	DS	N	C	Sensor lever	本体排紙ｾﾝｻｰﾚﾊﾞｰ
24	0CW4145P105//	BF	GN	N	C	Right rail	右ﾚｰﾙ
25	0CW4141P082//	AF	DS	N	C	Frame holder	本体ｼﾌﾀｰ押さえ
27	0CW4145P034//	AR	EQ	N	C	Right rail stopper	右ﾚｰﾙたわみ防止
28	0CW4145P016//	AE	DJ	N	C	Rail collar	ﾚｰﾙ用ｺﾛ
29	0CWER050SKP//	AA	DD		C	E type ring 5	E ﾘﾝｸﾞ 5
31	0CW4145P123//	AG	DX	N	C	Sensor bracket	ﾕﾆｯﾄ開閉ｾﾝｻｰﾌﾞﾗｹｯﾄ
32	0CWE314000784	AP	EQ	N	B	Sensor(GP1S73P2J00F)	ｾﾝｻｰ
33	0CW4111P349//	AD	DJ	N	C	Screw	ﾋﾞｽ
34	0CW4145P116//	AR	EQ	N	C	Drawer bracket	ﾄﾞﾛﾜﾌﾞﾗｹｯﾄ
35	0CWE450001139	AC	DJ		C	Clamp(E450001139)	ｸﾗﾝﾌﾟ
36	0CWNSSCR00225	AC	DJ	N	C	Screw(SCR03M030-D040020)	ﾋﾞｽ
37	0CW4145P313//	AE	DJ	N	C	Drawer spring	ﾄﾞﾛﾜﾊﾞﾈ
38	0CWE75317BK22	BB	GD	N	C	Drawer connector(5-292178-1)	ﾄﾞﾛﾜｺﾈｸﾀ
39	0CW4145P112//	AX	FG	N	C	Left rail bracket	左ﾚｰﾙﾌﾞﾗｹｯﾄ
40	0CW4145P027//	AG	DX	N	C	Stopper	ﾕﾆｯﾄｽﾄｯﾊﾟｰ
41	0CW4145P031//	AE	DS	N	C	Open sensor lever	ﾕﾆｯﾄ開閉ｾﾝｻｰﾚﾊﾞｰ
42	0CW4145P330//	AE	DJ	N	C	Stopper spring	ﾕﾆｯﾄｽﾄｯﾊﾟｰﾊﾞﾈ
43	0CW4141P368//	AF	DS	N	C	Mylar	ﾏｲﾗｰ
44	0CWE450001128	AC	DJ		C	Wire band(RSG-100)	ﾜｲﾔｰﾊﾞﾝﾄﾞ
45	0CWE450001297	AH	DX	N	C	CLIP(RES-6)	ｸﾘｯﾌﾟ
46	0CW4145K510//	BL	HL	N	E	Relay1 PWB unit(PF4145K510)	中継基板組
47	0CW4145K534//	AN	EG	N	C	Harness-OPEN-SEN(PF4145K534)	ﾊｰﾈｽ
48	0CW4145K533//	AK	DX	N	C	Harness-OPEN(PF4145K533)	ﾊｰﾈｽ
49	0CW4145K531//	AS	EQ	N	C	Harness-RELAY1(PF4145K531)	ﾊｰﾈｽ
50	0CW4145K535//	AR	EQ	N	C	Harness-RELAY2(PF4145K535)	ﾊｰﾈｽ
51	0CW4145K532//	BA	FX	N	C	Harness-RELAY-UNIT(PF4145K532)	ﾄﾞﾛﾜﾊｰﾈｽ
52	0CW4145P336//	AC	DJ	N	C	DF cushion 5-7	上ｶﾞｲﾄﾞﾌﾗｯﾊﾟｰﾀﾞﾝﾊﾟｰ
53	0CWE450000384	AB	DD		C	Edge saddle(EDS-2)	ｴｯｼﾞｻﾄﾞﾙ
54	0CWE74561WE03	AE	DS	N	C	Connector(292254-3)	中継ｺﾈｸﾀ

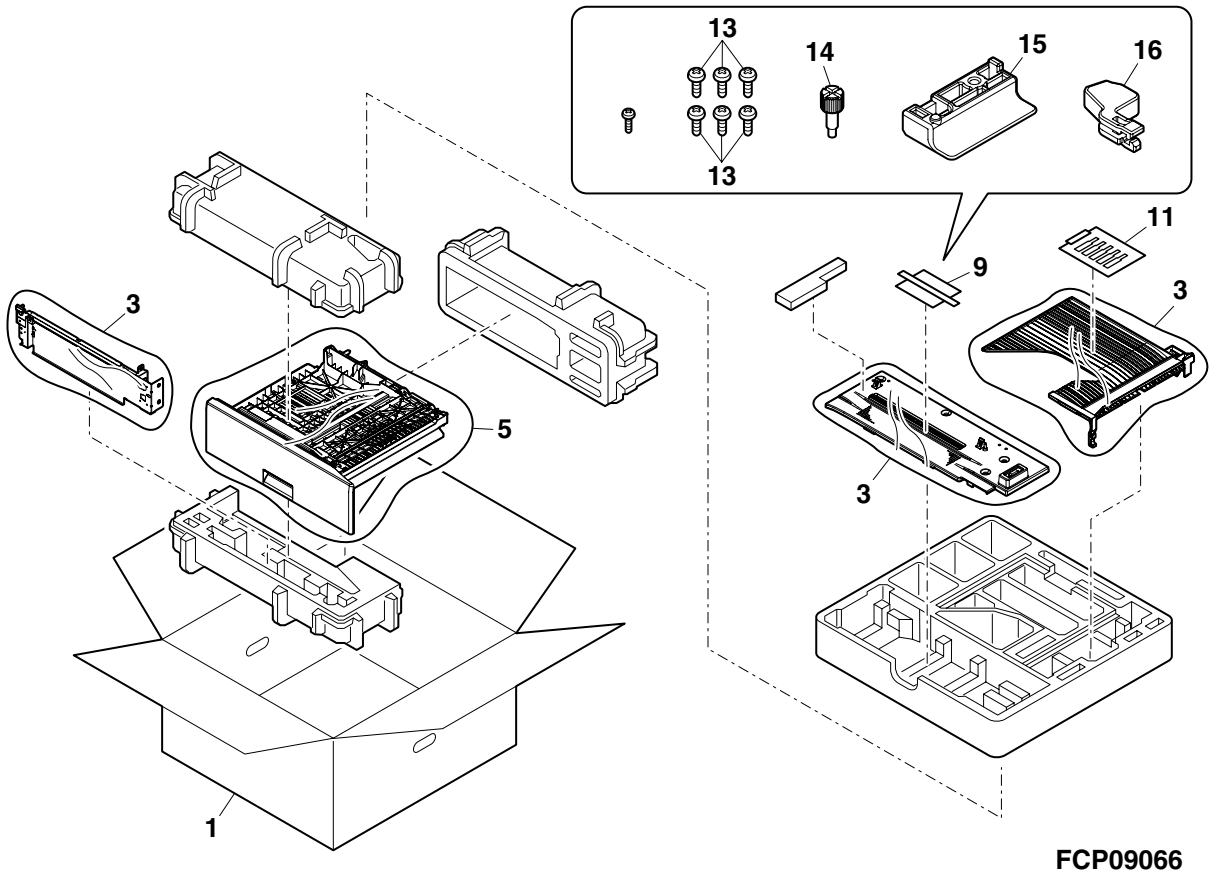
24 排紙ﾄﾚｲ & ﾚｰﾙ部 (DELIVERY PAPER TARY & RAIL SECTION)[MX-RBX1]



25 梱包 & 付属品 (PACKING MATERIAL & ACCESSORIES)[MX-RBX1]

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
1	0CW4145P401／／	BH	GX	N	D	Packing case(for JAPAN)	個装ｹｰｽ
	0CW4145P407／／	BF	GN	N	D	Packing case(except JAPAN)	個装ｹｰｽ
3	0CW2216P524／／	AE	DS		D	Vinyl bag(470×800mm)	ﾋﾞﾆｰﾙﾌﾞｸﾛ A (ｱﾅｱｷ)
5	0CW2148P093／／	AG	DX		D	Vinyl bag(900×800mm)	ﾋﾞﾆｰﾙﾌﾞｸﾛ ｱﾅｱｷ
9	0CW616371／／／／	AA	DJ		D	Vinyl bag C(80×120mm)	ﾋﾞﾆｰﾙﾌﾞｸﾛ C
11	0CW4134P420／／	AF	DS		D	Operation manual	設置手順書
13	0CW040080FWBP	AC	DJ	N	C	Screw(040080FWBP)	ﾋﾞｽ
14	0CW4145P351／／	AG	DX	N	C	Screw	反転ﾄﾚｲ固定ﾈｼﾞ
15	0CW4145P034／／	AR	EQ	N	C	Right rail stopper	右ﾚｰﾙたわみ防止
16	0CW4145P033／／	AG	DS	N	C	Sensor lever	本体排紙ｾﾝｻｰﾚﾊﾞｰ

25 梱包 & 付属品 (PACKING MATERIAL & ACCESSORIES)[MX-RBX1]



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PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
【0】						
0CW020100SCH/	20- 7	AA	DD		C	
〃	23- 29	AA	DD		C	
0CW030050FWWS	22- 32	AC	DJ	N	C	
0CW030060FWWS	22- 22	AC	DJ	N	C	
〃	23- 27	AC	DJ	N	C	
0CW030060FZBi	13- 88	AA	DD		C	
0CW030080FDBB	5- 29	AB	DJ	N	C	
0CW030080FWBi	22- 17	AC	DJ	N	C	
0CW030100FWBB	21- 15	AC	DJ	N	C	
〃	22- 34	AC	DJ	N	C	
〃	23- 6	AC	DJ	N	C	
〃	24- 17	AC	DJ	N	C	
0CW040060FNBi	2- 80	AA	DD		C	
0CW040060FZTW	18- 7	AC	DJ		C	
0CW040080FWBP	24- 1	AC	DJ	N	C	
〃	25- 13	AC	DJ	N	C	
0CW040080FWWS	15- 54	AC	DJ	N	C	
〃	22- 13	AC	DJ	N	C	
0CW040080FZWS	1-601	AA	DD		C	
0CW040100FNBi	1- 58	AA	DD		C	
0CW040100FWBB	20- 2	AC	DJ	N	C	
〃	23- 26	AC	DJ	N	C	
0CW040100FWWS	2- 72	AC	DJ	N	C	
0CW040120FNBB	1- 57	AB	DJ		C	
〃	2- 79	AB	DJ		C	
0CW040180NBP/	17- 21	AC	DJ	N	C	
0CW0412FNBiT2	2- 74	AC	DJ	N	C	
0CW1020K363B/	6- 16	AX	FG		E	
0CW1020K365B/	6- 17	AX	FG		E	
0CW1020K367//	5- 11	AP	EQ	N	E	
0CW1020K369//	5- 12	AP	EQ	N	E	
0CW1020K374//	18- 6	AN	EG		D	
0CW1020K375//	18- 4	AH	DX		D	
0CW1020K435//	18- 2	AY	FQ		D	
0CW1020P280A/	5- 54	AH	DX		C	
0CW1020P537A/	5- 50	BS	MJ		B	
0CW1020P711B/	18-100	AK	DX		D	
0CW1020P827//	18- 5	AQ	EQ		D	
0CW1020P832//	18- 3	AF	DS		D	
0CW1033K300//	6- 14	BD	GN	N	B	
0CW2111P021//	18- 1	AC	DJ		D	
0CW2148P093//	25- 5	AG	DX		D	
0CW2158P380//	17- 9	AE	DJ		D	
0CW2214P358//	17- 14	AB	DJ		D	
0CW2214P393//	21- 17	AG	DX		C	
0CW2216P524//	17- 4	AE	DS		D	
〃	25- 3	AE	DS		D	
0CW2268P076//	23- 22	AD	DJ		C	
0CW3090P360//	2- 75	AD	DJ		C	
0CW32300048//	19- 1	AH	DX	N	B	
0CW4048P076//	2- 82	AD	DJ	N	C	
0CW4048P300//	4- 39	AC	DJ		C	
0CW4060P027//	10- 9	AB	DJ	N	C	
〃	4- 16	AB	DJ	N	C	
〃	9- 21	AB	DJ	N	C	
0CW4076P057//	21- 3	AF	DS	N	C	
0CW4088P220//	17- 8	AQ	EQ		D	
0CW4099K310//	16- 37	AM	EG	N	E	
0CW4099K312//	16- 38	AP	EQ	N	E	
0CW4099P903//	17- 11	AL	EB		D	
0CW4099P911//	17- 28	AC	DJ		D	
0CW4099P912//	17- 27	AD	DJ		D	
0CW4099P913//	17- 23	AC	DJ		D	
0CW4099Q031//	2- 71	AD	DJ	N	C	
0CW4109P207//	3- 68	AD	DJ	N	C	
0CW4109P231//	11- 6	AD	DJ		C	
0CW4109P232//	11- 7	AD	DJ		C	
0CW4109P247//	3- 1	AY	FQ	N	C	
0CW4109P248//	3- 13	AV	FG	N	C	
0CW4109P427//	3- 67	AC	DJ	N	C	
0CW4109P449//	13- 73	AD	DJ		C	
0CW4110P026//	2- 86	AM	EG	N	C	
0CW4110P362//	11- 64	AD	DJ		C	
0CW4110Q165//	17- 13	AL	EB	N	D	
0CW4111P349//	24- 33	AD	DJ	N	C	
0CW4113K034//	12- 76	AU	FG		C	
0CW4113K158A/	13- 87	AS	EQ		C	
0CW4113P027A/	2- 78	AK	DX		C	

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
0CW4113P243//	9- 9	AE	DS		C	
0CW4113P352//	11- 49	AG	DX		C	
0CW4113P643B/	11- 35	AR	EQ		C	
0CW4114P048B/	10- 23	AU	EZ		C	
0CW4114P352//	11- 33	AH	DX	N	C	
0CW4114P401//	11- 70	AE	DJ		C	
0CW4114P813//	11- 24	AF	DS		C	
0CW4116P405B/	4- 38	BA	FX		C	
0CW4116P492//	9- 17	AL	EB		C	
0CW4116P759//	11- 38	AN	EG		C	
0CW4134K328//	4- 37	AF	DS		C	
0CW4134P042//	1- 51	AN	EQ		D	
0CW4134P401//	11- 70	AE	DS		C	
0CW4134P420//	17- 15	AF	DS		D	
〃	25- 11	AF	DS		D	
0CW4135K550//	7- 6	BD	GN		B	
0CW4135P439//	12- 81	AF	DJ		C	
0CW4135Q401//	15- 58	AE	DJ	N	C	
0CW4139P139//	11- 57	AR	FG		C	
0CW4141P082//	24- 25	AF	DS	N	C	
0CW4141P368//	24- 43	AF	DS	N	C	
0CW4144K100//	1- 10	BK	HC	N	C	
0CW4144K146//	5- 26	AW	FG	N	E	
0CW4144K302//	19-901	CE	UF	N	E	
〃	4- 46	CE	UF	N	E	
0CW4144K501//	2- 57	BC	GJ	N	C	
0CW4144K502//	2- 5	BA	FX	N	C	
0CW4144K600//	17- 2	BP	LP	N	D	
0CW4144P002//	1- 52	AP	EQ	N	C	
0CW4144P003//	1- 53	AL	EB	N	C	
0CW4144P004//	1- 4	BA	FX	N	C	
0CW4144P005//	1- 38	AU	FG	N	C	
0CW4144P007//	2- 70	AG	DX	N	C	
0CW4144P016//	3- 48	AG	DX	N	C	
0CW4144P053//	10- 69	AP	EQ	N	C	
0CW4144P100//	2- 69	AZ	FQ	N	C	
0CW4144P200//	2- 22	BF	GN	N	D	
0CW4144P201//	2- 23	BE	GN	N	D	
0CW4144P202//	2- 2	BK	HG	N	D	
0CW4144P203//	2- 17	BB	GD	N	D	
0CW4144P204//	2- 61	BC	GD	N	D	
0CW4144P205//	2- 16	AK	EB	N	D	
0CW4144P206//	2- 7	BA	FX	N	D	
0CW4144P207//	2- 62	AR	EQ	N	C	
0CW4144P208//	2- 63	AN	EQ	N	D	
0CW4144P209//	2- 65	AP	EQ	N	D	
0CW4144P210//	2- 4	AL	EB	N	D	
0CW4144P211//	2- 64	AH	DX	N	C	
0CW4144P212//	3- 15	AG	DX	N	C	
0CW4144P213//	2- 33	BC	GJ	N	C	
0CW4144P214//	2- 73	AP	EQ	N	D	
0CW4144P215//	4- 24	AL	EB	N	C	
0CW4144P216//	2- 67	AF	DS	N	C	
0CW4144P217//	2- 56	AE	DS	N	C	
0CW4144P220//	2- 76	AH	DX	N	D	
0CW4144P222//	2- 77	AH	DX	N	D	
0CW4144P235//	2- 11	BA	FX	N	D	
0CW4144P245//	5- 27	AS	EZ	N	C	
0CW4144P250//	1- 46	BD	GN	N	D	
0CW4144P251//	1- 24	BC	GJ	N	D	
0CW4144P252//	1- 56	AM	EG	N	C	
0CW4144P253//	1- 14	BC	GD	N	D	
0CW4144P254//	1- 47	BF	GN	N	D	
0CW4144P277//	10- 38	AG	DX	N	D	
0CW4144P284//	10- 41	AG	DX	N	D	
0CW4144P289//	10- 35	AR	EQ	N	C	
0CW4144P290//	10- 32	AR	EQ	N	C	
0CW4144P303//	10- 8	AL	EB	N	D	
0CW4144P314//	4- 23	AD	DJ	N	C	
0CW4144P361//	17- 20	AF	DS	N	D	
0CW4144P362//	17- 19	AF	DS	N	D	
0CW4144P363//	17- 18	AF	DS	N	D	
0CW4144P364//	17- 17	AF	DS	N	D	
0CW4144P381//	2- 34	AK	EB	N	C	
0CW4144P391//	2- 10	BA	FX	N	C	
0CW4144P393//	2- 30	AS	EQ	N	D	
0CW4144P394//	2- 31	AX	FG	N	D	
0CW4144P400//	3- 9	AD	DJ	N	C	
0CW4144P401//	2- 68	AH	DX	N	C	
0CW4144P402//	2- 85	AE	DS	N	C	
0CW4144P408//	10- 70	AF	DS	N	C	

PARTS CODE	NO.	PRICE R.		NEW	P/R	
		Ex.	Ja.			
0CW4144P433//	2- 40	AY	FQ	N	D	
0CW4144P445//	5- 28	AH	DX	N	C	
0CW4144P469//	2- 84	BC	GJ	N	B	
0CW4144P705//	4- 1	AL	EB	N	D	
0CW4144P726//	2- 3	AY	FQ	N	D	
0CW4144P727//	2- 26	BE	GN	N	C	
0CW4144P728//	2- 27	BA	FX	N	C	
0CW4144P751//	4- 27	AG	DX	N	C	
0CW4144P763//	2- 9	AT	EZ	N	C	
0CW4144P900//	17- 12	BQ	LP	N	D	
0CW4144P901//	17- 1	BG	GT	N	D	
0CW4144P902//	17- 1	BG	GT	N	D	
0CW4144P908//	17- 3	AL	EB	N	D	
0CW4144P909//	17- 7	AE	DJ	N	D	
0CW4144P910//	17- 26	AQ	EQ	N	D	
0CW4144P911//	17- 24	AE	DS	N	D	
0CW4144P912//	17- 25	AE	DJ	N	D	
0CW4144P950//	2- 83	AC	DJ	N	C	
0CW4145K010//	24- 7	BH	GX	N	C	
0CW4145K018//	22-501	AG	DS	N	E	
0CW4145K020//	23- 35	AZ	FX	N	C	
0CW4145K021//	23- 11	AZ	FQ	N	C	
0CW4145K510//	24- 46	BL	HL	N	E	
0CW4145K531//	24- 49	AS	EQ	N	C	
0CW4145K532//	22- 16	BA	FX	N	C	
〃	24- 51	BA	FX	N	C	
0CW4145K533//	24- 48	AK	DX	N	C	
0CW4145K534//	24- 47	AN	EG	N	C	
0CW4145K535//	24- 50	AR	EQ	N	C	
0CW4145K550//	23- 28	BL	HL	N	B	
0CW4145K551//	23- 7	BD	GN	N	B	
0CW4145K552//	22- 29	BE	GN	N	B	
0CW4145P001//	21- 4	BQ	LP	N	C	
0CW4145P003//	21- 12	AE	DJ	N	C	
0CW4145P004//	22- 27	AE	DS	N	C	
0CW4145P005//	20- 5	AE	DS	N	C	
0CW4145P006//	20- 11	AP	EQ	N	C	
0CW4145P009//	20- 4	AE	DS	N	C	
0CW4145P010//	23- 24	AF	DS	N	C	
0CW4145P012//	24- 2	BH	GX	N	D	
0CW4145P013//	23- 1	BS	MW	N	D	
0CW4145P015//	22- 23	AF	DS	N	C	
0CW4145P016//	24- 28	AE	DJ	N	C	
0CW4145P017//	24- 4	AG	DX	N	C	
0CW4145P018//	24- 10	BL	HG	N	C	
0CW4145P019//	20- 1	BK	HG	N	D	
0CW4145P024//	24- 15	AE	DS	N	C	
0CW4145P025//	23- 34	BQ	LP	N	D	
0CW4145P026//	23- 18	AE	DS	N	C	
0CW4145P027//	24- 40	AG	DX	N	C	
0CW4145P028//	23- 4	AE	DS	N	C	
0CW4145P029//	20- 6	AH	DX	N	C	
0CW4145P030//	23- 9	AH	DX	N	C	
0CW4145P031//	24- 41	AE	DS	N	C	
0CW4145P032//	24- 6	AE	DS	N	C	
0CW4145P033//	24- 23	AG	DS	N	C	
〃	25- 16	AG	DS	N	C	
0CW4145P034//	24- 27	AR	EQ	N	C	
〃	25- 15	AR	EQ	N	C	
0CW4145P035//	23- 21	AE	DJ	N	C	
0CW4145P101//	22- 14	AN	EG	N	C	
0CW4145P103//	22- 31	AF	DS	N	C	
0CW4145P104//	22- 21	AK	DX	N	C	
0CW4145P105//	24- 24	BF	GN	N	C	
0CW4145P107//	22- 6	AH	DX	N	C	
0CW4145P108//	22- 11	AH	DX	N	C	
0CW4145P109//	22- 4	AS	EQ	N	C	
0CW4145P110//	23- 14	AG	DS	N	C	
0CW4145P112//	24- 39	AX	FG	N	C	
0CW4145P116//	24- 34	AR	EQ	N	C	
0CW4145P121//	24- 22	AN	EG	N	C	
0CW4145P123//	24- 31	AG	DX	N	C	
0CW4145P124//	24- 16	AG	DX	N	C	
0CW4145P201//	20- 9	AU	FG	N	C	
0CW4145P202//	22- 10	AV	FG	N	C	
0CW4145P205//	22- 19	AR	EQ	N	C	
0CW4145P300//	23- 30	AY	FQ	N	C	
0CW4145P301//	23- 32	BA	FX	N	C	
0CW4145P302//	23- 33	AY	FQ	N	C	
0CW4145P303//	23- 31	AZ	FX	N	C	
0CW4145P305//	22- 28	AD	DJ	N	C	

PARTS CODE	NO.	PRICE R.		NEW	P/R	
		Ex.	Ja.			
0CW4145P306//	21- 2	AC	DJ	N	C	
0CW4145P307//	21- 5	AC	DJ	N	C	
0CW4145P308//	21- 1	AF	DS	N	D	
0CW4145P309//	22- 5	AG	DX	N	C	
0CW4145P311//	23- 17	AS	EZ	N	C	
0CW4145P312//	22- 18	AG	DX	N	C	
0CW4145P313//	24- 37	AE	DJ	N	C	
0CW4145P315//	23- 2	AC	DJ	N	C	
0CW4145P317//	23- 38	AD	DJ	N	C	
0CW4145P319//	20- 3	AD	DJ	N	C	
0CW4145P321//	22- 1	AN	EG	N	C	
0CW4145P324//	22- 33	AF	DS	N	C	
0CW4145P326//	21- 18	AG	DX	N	C	
0CW4145P327//	21- 14	AR	EQ	N	C	
0CW4145P329//	21- 10	AD	DJ	N	C	
0CW4145P330//	24- 42	AE	DJ	N	C	
0CW4145P331//	21- 9	AD	DJ	N	C	
0CW4145P333//	21- 6	BA	FX	N	C	
0CW4145P334//	24- 19	BA	FX	N	C	
0CW4145P336//	23- 3	AC	DJ	N	C	
〃	24- 52	AC	DJ	N	C	
0CW4145P338//	23- 10	AD	DJ	N	C	
0CW4145P341//	22- 3	AD	DJ	N	C	
0CW4145P342//	23- 5	AD	DJ	N	C	
0CW4145P343//	21- 7	AD	DJ	N	C	
0CW4145P344//	21- 8	AD	DJ	N	C	
0CW4145P345//	21- 19	AD	DJ	N	C	
0CW4145P346//	24- 20	AD	DJ	N	C	
0CW4145P347//	22- 30	AE	DJ		C	
0CW4145P351//	24- 18	AG	DX	N	C	
〃	25- 14	AG	DX	N	C	
0CW4145P401//	25- 1	BH	GX	N	D	
0CW4145P407//	25- 1	BF	GN	N	D	
0CW4145P502//	24- 9	AR	EQ	N	C	
0CW4A12609000	1- 44	AC	DJ		C	
0CW4A17172010	4- 10	AN	EQ		C	
0CW4A17173000	7- 16	AD	DJ		C	
0CW4A17175000	14- 74	AF	DS		C	
0CW4A17176000	14- 75	AF	DS		C	
0CW4A17177000	13- 1	AG	DS		C	
0CW4A17178000	13- 2	AG	DS		C	
0CW4A17179000	13- 85	AV	FG		C	
0CW4A17180000	13- 84	AN	EG		C	
0CW4A17181000	13- 77	AG	DX		C	
0CW4A17184000	9- 20	AN	EG		C	
0CW4A17186010	14- 64	AL	EB		C	
0CW4A17187000	14- 61	AK	EB		C	
0CW4A17188000	13- 86	AF	DS		C	
0CW4A17191000	10- 52	AF	DS		C	
0CW4A17192000	11- 58	AE	DS		C	
0CW4A17193000	10- 56	AG	DS		C	
0CW4A17194000	11- 31	AR	EQ		C	
0CW4A17195000	2- 20	AF	DS		C	
0CW4A17196000	10- 60	AH	DX		C	
0CW4A17198000	8- 30	AQ	EQ		C	
0CW4A17199000	8- 26	AE	DJ		C	
0CW4A17202000	11- 62	AK	DX		C	
0CW4A17203010	13- 80	AL	EB		C	
0CW4A17204000	14- 69	AM	EG		C	
0CW4A17207000	14- 67	AR	EQ		C	
0CW4A17209000	10- 31	AC	DJ		C	
0CW4A17212000	10- 42	AE	DS		C	
0CW4A17217000	3- 57	AV	FG		C	
0CW4A17227000	12- 79	AT	EZ		C	
0CW4A17228010	13- 71	AC	DJ		C	
0CW4A17229000	8- 28	AL	EB		C	
0CW4A17231000	8- 29	AL	EB		C	
0CW4A17234000	11- 60	AR	EQ		C	
0CW4A17236000	10- 54	AS	EQ		C	
0CW4A17237000	11- 63	AT	EZ		C	
0CW4A17238000	11- 67	AR	EQ		C	
0CW4A17239000	10- 50	AK	DX		C	
0CW4A17240000	9- 7	AM	EG		C	
0CW4A17242000	13- 78	AU	FG		C	
0CW4A17253000	3- 59	AS	EZ		C	
0CW4A17254000	14- 72	AX	FQ		C	
0CW4A17255000	14- 73	AY	FQ		C	
0CW4A17256000	12- 73	AN	EG		C	
0CW4A17259000	3- 3	AD	DJ		C	
0CW4A17260000	7- 1	AF	DS		C	
0CW4A17261000	7- 2	AG	DS		C	

PARTS CODE	NO.	PRICE R.		NEW	P/R	
		Ex.	Ja.			
0CW4A17262000	7- 3	AE	DS		C	
0CW4A17263000	7- 4	AE	DS		C	
0CW4A17264000	7- 13	AE	DJ		C	
0CW4A17265000	3- 29	AC	DJ		C	
0CW4A17266000	10- 62	AE	DS		C	
0CW4A17270000	2- 32	AG	DS		C	
0CW4A17271000	11- 10	AP	EQ		C	
0CW4A17272000	11- 11	AN	EQ		C	
0CW4A17273000	10- 15	AD	DJ		C	
0CW4A17274000	11- 12	AD	DJ		C	
0CW4A17275000	10- 27	AD	DJ		C	
0CW4A17276000	11- 13	AC	DJ		C	
0CW4A17278000	11- 1	AC	DJ		C	
0CW4A17279000	11- 14	AD	DJ		C	
0CW4A17280000	11- 15	AD	DJ		C	
0CW4A17281000	11- 2	AD	DJ		C	
0CW4A17282000	11- 45	AC	DJ		C	
0CW4A17283000	11- 44	AC	DJ		C	
0CW4A17284000	2- 41	AD	DJ		C	
0CW4A17285000	11- 50	AE	DS		C	
0CW4A17286000	11- 46	AE	DS		C	
0CW4A17288000	3- 24	AD	DJ		C	
0CW4A17289000	9- 8	AF	DS		C	
0CW4A17290000	14- 3	AE	DS		C	
0CW4A17291000	2- 12	AE	DS		C	
0CW4A17295000	13- 4	AD	DJ		C	
0CW4A17296000	13- 5	AD	DJ		C	
0CW4A17297000	13- 68	AC	DJ		C	
0CW4A17298000	13- 74	AF	DS		C	
0CW4A17299000	12- 6	AG	DX		C	
0CW4A17300000	8- 16	AD	DJ		C	
0CW4A17301000	8- 1	AE	DS		C	
0CW4A17302000	8- 2	AQ	EQ		C	
0CW4A17303000	8- 3	AK	DX		C	
0CW4A17304000	8- 4	AL	EB		C	
0CW4A17305000	8- 5	AL	EB		C	
0CW4A17306000	8- 6	AH	DX		C	
0CW4A17307000	8- 7	AF	DS		C	
0CW4A17308000	8- 18	AS	EZ		C	
0CW4A17309000	14- 62	AE	DJ		C	
0CW4A17310000	14- 63	AE	DJ		C	
0CW4A17311000	14- 65	AE	DJ		C	
0CW4A17312000	14- 66	AE	DJ		C	
0CW4A17314000	10- 36	AH	DX		D	
0CW4A17317000	2- 21	AC	DJ		C	
0CW4A17318000	3- 31	AK	DX		C	
0CW4A17319000	10- 40	AL	EB		C	
0CW4A17321000	3- 44	AR	EQ		C	
0CW4A17322000	13- 59	AD	DJ		C	
0CW4A17325000	9- 10	AE	DS		C	
0CW4A17327000	9- 18	AD	DJ		C	
0CW4A17328000	10- 5	AD	DJ		C	
0CW4A17329000	10- 24	AE	DS		C	
0CW4A17330000	11- 16	AD	DJ		C	
0CW4A17331000	11- 17	AD	DJ		C	
0CW4A17332000	11- 18	AC	DJ		C	
0CW4A17333000	11- 43	AN	EG		C	
0CW4A17335000	13- 7	AN	EG		C	
0CW4A17337000	11- 3	AE	DS		C	
0CW4A17338000	8- 8	AH	DX		C	
0CW4A17339000	11- 25	AC	DJ		C	
〃	13- 8	AC	DJ		C	
0CW4A17340000	14- 9	AG	DX		C	
0CW4A17341000	11- 52	AH	DX		C	
0CW4A17344000	11- 51	AE	DJ		C	
0CW4A17345000	11- 47	AE	DJ		C	
0CW4A17346000	11- 19	AC	DJ		C	
0CW4A17347000	11- 20	AD	DJ		C	
0CW4A17348000	11- 21	AD	DJ		C	
0CW4A17349000	4- 11	AF	DS		C	
0CW4A17350000	13- 10	AC	DJ		C	
0CW4A17351000	11- 22	AD	DJ		C	
0CW4A17352000	11- 39	AC	DJ		C	
0CW4A17353010	3- 6	AE	DJ		C	
0CW4A17354000	3- 7	AE	DJ		C	
0CW4A17355000	3- 37	AD	DJ		C	
0CW4A17357000	12- 11	AD	DJ		C	
0CW4A17358000	14- 12	AP	EQ		C	
0CW4A17359000	14- 13	AK	DX		C	
0CW4A17360000	14- 14	AK	DX		C	
0CW4A17361000	13- 15	AD	DJ		C	

PARTS CODE	NO.	PRICE R.		NEW	P/R	
		Ex.	Ja.			
0CW4A17362000	14- 16	AL	EB		C	
0CW4A17363000	12- 17	AH	DX		C	
0CW4A17364000	12- 18	AL	EB		C	
0CW4A17365000	14- 19	AF	DS		C	
0CW4A17366000	11- 23	AE	DJ		C	
0CW4A17367000	9- 11	AD	DJ		C	
0CW4A17368000	10- 17	AP	EQ		C	
0CW4A17371000	3- 8	AC	DJ		C	
〃	4- 14	AC	DJ		C	
〃	9- 5	AC	DJ		C	
0CW4A17372000	11- 26	AH	DX		C	
0CW4A17376000	12- 20	AF	DS		C	
0CW4A17377000	12- 21	AD	DJ		C	
0CW4A17378000	2- 15	AD	DJ		C	
0CW4A17379000	11- 48	AS	EQ		C	
0CW4A17380000	2- 58	AD	DJ		C	
0CW4A17381000	10- 18	AS	EQ		C	
0CW4A17383000	10- 6	AY	FQ		B	
0CW4A17384000	11- 71	AN	EG		C	
0CW4A17385000	12- 22	BN	HZ		C	
0CW4A17386000	14- 23	AE	DS		C	
0CW4A17387000	13- 24	AD	DJ		C	
0CW4A17388000	12- 25	AE	DS		C	
0CW4A17389000	14- 26	AG	DX		C	
0CW4A17390000	10- 1	AD	DJ		C	
0CW4A17391000	10- 39	AC	DJ		C	
0CW4A17392000	10- 7	AE	DS		C	
0CW4A17400000	2- 35	AC	DJ		C	
〃	3- 45	AC	DJ		C	
0CW4A17401000	11- 5	AD	DJ		C	
0CW4A17402000	10- 25	AC	DJ		C	
0CW4A17403000	14- 27	AE	DS		C	
0CW4A17404000	14- 28	AV	FG		C	
0CW4A17406000	11- 34	AH	DX		C	
0CW4A17407000	8- 21	AD	DJ		C	
0CW4A17408000	2- 36	AD	DJ		C	
0CW4A17409000	4- 34	AD	DJ		C	
0CW4A17414000	3- 10	AD	DJ		C	
0CW4A17415000	2- 14	AG	DS		C	
0CW4A17416000	9- 3	AD	DJ		C	
0CW4A17417000	3- 11	AD	DJ		C	
0CW4A17418000	4- 12	AD	DJ		C	
0CW4A17419000	3- 12	AD	DJ		C	
0CW4A17421000	9- 12	AE	DJ		C	
0CW4A17422000	9- 13	AE	DS		C	
0CW4A17423000	9- 14	AE	DS		C	
0CW4A17424000	2- 29	AF	DS		C	
0CW4A17425000	4- 48	AE	DS		C	
0CW4A17426000	4- 47	AH	DX		C	
0CW4A17427000	11- 32	AT	EZ		C	
0CW4A17467000	4- 40	AF	DS		C	
0CW4A17469000	7- 14	AD	DJ		C	
0CW4A17470000	14- 71	AP	EQ		C	
0CW4A17474000	3- 64	AG	DS		C	
0CW4A17475000	3- 66	AH	DX		C	
0CW4A17476000	12- 50	AC	DJ		C	
0CW4A17477000	12- 77	AN	EQ		C	
0CW4A17479000	8- 24	AD	DJ		C	
0CW4A17480000	13- 57	AP	EQ		C	
0CW4A17481000	13- 60	AE	DS		C	
0CW4A17482000	3- 54	AP	EQ		C	
0CW4A17483000	10- 61	AL	EB		C	
0CW4A17485000	12- 75	AK	DX		C	
0CW4A17486000	10- 51	AM	EG		C	
0CW4A17487000	10- 55	AF	DS		C	
0CW4A17488000	4- 28	AV	FG		D	
0CW4A17489000	3- 63	AG	DS		C	
0CW4A17491000	3- 55	AW	FG		C	
0CW4A17492000	14- 76	AF	DS		C	
0CW4A17495000	4- 25	AD	DJ		C	
0CW4A17496000	4- 26	AD	DJ		C	
0CW4A17504000	12- 74	AF	DS		C	
0CW4A17505000	4- 19	AD	DJ		C	
0CW4A17506000	4- 20	AE	DS		C	
0CW4A17507000	4- 21	AD	DJ		C	
0CW4A17508000	4- 22	AG	DX		C	
0CW4A17510000	3- 58	AK	DX		C	
0CW4A17511000	3- 56	AR	EQ		C	
0CW4A17512000	3- 61	AE	DJ		C	
0CW4A17513000	11- 41	AD	DJ		C	
0CW4A17514000	10- 33	AE	DS		C	

PARTS CODE	NO.	PRICE R.		NEW	P/R	
		Ex.	Ja.			
0CW4A17515000	4- 9	AC	DJ		C	
0CW4A17516000	8- 25	AK	DX		C	
0CW4A17517000	3- 14	AE	DS		C	
0CW4A17519000	10- 16	AR	EQ		D	
0CW4A17523000	3- 17	AC	DJ		C	
0CW4A17524000	3- 18	AD	DJ		C	
0CW4A17525000	12- 72	AD	DJ		C	
0CW4A17526000	9- 15	AF	DS		C	
0CW4A17528000	3- 19	AC	DJ		C	
0CW4A17530000	14- 29	AD	DJ		C	
0CW4A17531000	11- 37	AK	DX		C	
0CW4A17533000	12- 30	AC	DJ		C	
〃	13- 30	AC	DJ		C	
0CW4A17536000	14- 51	AC	DJ		C	
0CW4A17539000	3- 32	AK	DX		C	
0CW4A17540000	3- 33	AC	DJ		C	
0CW4A17542000	3- 20	AC	DJ		C	
0CW4A17543000	3- 62	AE	DS		C	
0CW4A17544000	14- 52	AR	EQ		C	
0CW4A17545000	14- 53	AQ	EQ		C	
0CW4A17549000	3- 34	AC	DJ		C	
0CW4A17551000	13- 31	AD	DJ		C	
0CW4A17552000	12- 32	AF	DS		C	
0CW4A17566000	12- 33	AD	DJ		C	
〃	13- 33	AD	DJ		C	
〃	8- 9	AD	DJ		C	
0CW4A17567000	10- 19	AD	DJ		C	
〃	13- 34	AD	DJ		C	
〃	14- 34	AD	DJ		C	
〃	3- 21	AD	DJ		C	
〃	8- 10	AD	DJ		C	
0CW4A17572000	10- 20	AE	DJ		C	
〃	3- 22	AE	DJ		C	
〃	8- 11	AE	DJ		C	
0CW4A17573000	12- 36	AE	DS		C	
〃	13- 36	AE	DS		C	
〃	8- 12	AE	DS		C	
0CW4A17575010	10- 43	AE	DS		D	
0CW4A17576000	3- 53	AH	DX		C	
0CW4A17577000	3- 2	AE	DS		C	
0CW4A17578000	3- 49	AD	DJ		C	
0CW4A17581000	15- 28	AF	DS		C	
0CW4A17583000	15- 31	AD	DJ		C	
0CW4A17584000	15- 29	AD	DJ		C	
0CW4A17585000	11- 42	AE	DJ		C	
0CW4A17589000	16- 9	AD	DJ		C	
0CW4A17590000	15- 51	AC	DJ		C	
0CW4A17591000	16- 8	AF	DS		C	
0CW4A17592000	15- 10	AE	DJ		C	
0CW4A17691000	3- 23	AC	DJ		C	
0CW4A18198000	15- 36	AC	DJ		C	
0CW4A18206000	15- 1	AD	DJ		C	
0CW4A18207000	15- 2	AN	EQ		C	
0CW4A18210000	15- 35	AD	DJ		C	
0CW4A18211000	15- 56	AD	DJ		C	
0CW4A18214000	15- 3	AG	DX		D	
0CW4A18215000	16- 4	AF	DS		C	
0CW4A18217000	15- 5	AE	DS		C	
0CW4A18218000	16- 6	AF	DS		C	
0CW4A18219000	16- 7	AF	DS		C	
0CW4A18225000	15- 11	AD	DJ		C	
0CW4A18226000	16- 12	AE	DJ		C	
0CW4A18227000	15- 57	AP	EQ		B	
0CW4A18229000	16- 14	AF	DS		C	
0CW4A18230000	16- 15	AE	DJ		C	
0CW4A18232000	15- 48	AF	DS		C	
0CW4A18238000	15- 22	AR	EQ		D	
0CW4A18240000	15- 26	AQ	EQ		C	
0CW4A18263000	16- 30	AE	DS		D	
0CW4A18264000	16- 25	AE	DS		D	
0CW4A18265000	16- 24	AE	DS		D	
0CW4A18313000	2- 24	AE	DJ		C	
0CW4A18314000	4- 29	AC	DJ		C	
0CW4A18316000	4- 8	AD	DJ		D	
0CW4A18319000	10- 21	AD	DJ		C	
0CW4A18320000	11- 61	AC	DJ		C	
0CW4A18322000	14- 70	AC	DJ		C	
0CW4A18323000	12- 80	AC	DJ		C	
0CW4A18324000	13- 58	AE	DS		C	
0CW4A18325000	13- 79	AN	EG		C	
0CW4A18326000	13- 56	AK	DX		C	

PARTS CODE	NO.	PRICE R.		NEW	P/R	
		Ex.	Ja.			
0CW4A18327000	13- 55	AL	EB		C	
0CW4A18328000	13- 83	AC	DJ		C	
0CW4A18329000	13- 37	AC	DJ		C	
0CW4A18330000	12- 38	AD	DJ		C	
0CW4A18331000	13- 39	AD	DJ		C	
0CW4A18332000	12- 40	AR	EQ		C	
0CW4A18334000	10- 22	AC	DJ		C	
0CW4A18338010	2- 39	AH	DX		C	
0CW4A18672000	5- 9	AY	FQ		C	
0CW4A18673000	5- 10	AF	DS		D	
0CW4A18679000	5- 13	AF	DS		C	
0CW4A18680000	5- 14	AF	DS		C	
0CW4A18681000	5- 15	AM	EG		C	
0CW4A18682000	6- 5	AG	DX		D	
0CW4A18683000	5- 5	AE	DJ		C	
0CW4A18684000	5- 55	AF	DS		C	
0CW4A18685000	5- 2	AF	DS		C	
0CW4A18686000	5- 17	AT	EZ		D	
0CW4A18688000	6- 1	AD	DJ		C	
0CW4A18689000	5- 56	AF	DS		C	
0CW4A18690000	6- 21	AH	DX		C	
0CW4A18704000	5- 21	AN	EQ		D	
0CW4A18708000	5- 22	AY	FQ		C	
0CW4A18857000	2- 1	AG	DX		C	
0CW4A18863000	4- 44	AE	DJ		C	
0CW4A18869000	4- 43	AE	DS		C	
0CW4A18877000	10- 37	AF	DS		D	
0CW4A18881000	15- 55	AF	DS		C	
0CW4A18884000	16- 34	BF	GN		E	
0CW4A18888000	11- 69	AN	EG		C	
0CW4A18889010	10- 13	AD	DJ		C	
0CW4A18904000	15- 13	AF	DS		C	
0CW4A18905000	15- 17	AH	DX		C	
0CW4A18907000	15- 23	AH	DX		D	
0CW4A18910000	1- 34	AH	DX		C	
0CW4A18919000	1- 6	AN	EG		C	
0CW4A18920000	1- 11	AH	DX		C	
0CW4A18921000	1- 25	AH	DX		C	
0CW4A18923000	1- 37	AM	EG		C	
0CW4A18924010	10- 28	AD	DJ		C	
0CW4A18926000	1- 26	AK	EB		C	
0CW4A18927000	1- 27	AK	EB		C	
0CW4A18928000	1- 1	BD	GN		C	
0CW4A18934000	1- 30	AR	EQ		C	
0CW4A18935000	1- 43	AF	DS		C	
0CW4A18936000	1- 31	AX	FG		C	
0CW4A18937000	1- 33	AN	EQ		C	
0CW4A18938000	1- 32	AH	DX		C	
0CW4A18939000	1- 35	AF	DS		C	
0CW4A18948000	4- 42	AN	EG		C	
0CW4A18951000	4- 41	AG	DX		C	
0CW4B10082000	10- 68	AF	DS		C	
0CW4B10085000	10- 65	AK	EB		C	
0CW4B10086000	10- 63	AL	EB		C	
0CW4B10087000	10- 67	AK	EB		C	
0CW4B10111000	11- 68	AE	DS		C	
0CW4B10138010	10- 23	AU	EZ		C	
0CW4B10140000	11- 65	AN	EQ		C	
0CW4B10144000	10- 64	AE	DJ		C	
0CW4B10149000	11- 66	AD	DJ		C	
0CW4B10156000	10- 66	AE	DJ		C	
0CW4B10389000	1- 9	AU	EZ		C	
0CW4B10390000	3- 51	AN	EQ		C	
0CW4B10391000	1- 20	AD	DJ		C	
0CW4B10394000	2- 53	AL	EB		C	
0CW4B10395000	2- 52	AL	EB		C	
0CW4B10476000	6- 10	AG	DS		D	
0CW4B10477000	6- 12	AG	DS		C	
0CW4B10485000	18- 12	AF	DS		D	
0CW4B10486000	18- 13	AF	DS		D	
0CW4B10488000	18- 11	AF	DS		D	
0CW4B10489000	18- 10	AF	DS		D	
〃	5- 8	AF	DS		D	
0CW4B10490000	6- 20	AG	DX		C	
0CW4B10493000	5- 25	AE	DS		C	
0CW4B10494000	5- 53	AS	EQ		C	
0CW4B10495000	5- 18	AQ	EQ		D	
0CW4B10584000	2- 43	AD	DJ		C	
0CW4B10585000	2- 25	AD	DJ		C	
0CW4B10586010	4- 4	AC	DJ		C	
0CW4B10591000	11- 56	AF	DS		C	

PARTS CODE	NO.	PRICE R.		NEW	P/R	
		Ex.	Ja.			
0CW4B10740000	15- 53	AE	DS		C	
0CW4B10742000	15- 50	AF	DS		C	
0CW4B10743000	15- 27	AE	DJ		C	
0CW4B10744000	15- 44	AE	DJ		C	
0CW4B10746000	15- 47	AD	DJ		C	
0CW4B10754000	15- 43	AE	DJ		C	
0CW4B10776000	10- 49	AF	DS		C	
0CW4B10778000	10- 46	AF	DS		C	
0CW4B10779000	10- 45	AF	DS		C	
0CW4B10780000	2- 13	AF	DS		C	
0CW4B10783000	9- 19	AG	DX		C	
0CW4B10785000	3- 50	AC	DJ		C	
0CW4B10845000	2- 51	AD	DJ		C	
0CW4B10846000	11- 53	AD	DJ		C	
0CW4B10847000	5- 23	AF	DS		D	
0CW4B10848000	2-504	AB	DJ		C	
0CW4B10851000	2- 50	AD	DX		C	
0CW4B10852000	10- 57	AE	DS		C	
0CW4F11556000	3- 27	AG	DX		C	
0CW4F11557000	4- 15	AH	DX		C	
0CW4F11558000	3- 65	AH	DX		C	
0CW4F11560000	3- 60	AH	DX		C	
0CW4F11562000	7- 15	AT	EZ		C	
0CW4F11563010	8- 27	BA	FX		C	
0CW4F11564000	10- 53	AW	FG		C	
0CW4F11565000	11- 59	AP	EQ		C	
0CW4F11566000	9- 22	AG	DX		C	
0CW4F11568010	12- 78	AY	FQ		C	
0CW4F11569000	13- 75	AK	DX		C	
0CW4F11570000	13- 76	AK	DX		C	
0CW4F11679000	15- 32	AF	DS		C	
0CW4F11850000	5- 52	AU	EZ		C	
0CW4F11882000	3- 47	AT	EZ		C	
0CW4F11883000	3- 52	AN	EQ		C	
0CW4F12053000	15- 46	AH	DX		C	
0CW4G11297020	5- 1	CA	TR		E	
0CW4H16449010	10- 44	AM	EG		B	
〃	4- 17	AM	EG		B	
0CW4H16450000	14- 45	AT	EZ		E	
0CW4H16452000	4- 30	AQ	EQ		C	
0CW4H16453000	4- 31	AU	EZ		C	
0CW4H16454000	10- 2	AE	DS		C	
〃	4- 13	AE	DS		C	
〃	9- 1	AE	DS		C	
0CW4H16455000	10- 10	AK	EB		C	
0CW4H16456000	14- 41	AN	EG		C	
0CW4H16458000	7- 5	AK	DX		C	
0CW4H16460000	3- 41	AP	EQ		C	
0CW4H16461000	4- 32	AN	EQ		C	
0CW4H16462000	4- 33	AL	EB		C	
0CW4H16464000	10- 26	AN	EQ		C	
0CW4H16465000	4- 35	AQ	EQ		C	
0CW4H16467000	3- 43	AP	EQ		C	
0CW4H16468000	8- 22	AY	FQ		C	
0CW4H16504000	16- 39	AK	DX		C	
0CW4H16505000	16- 40	AH	DX		C	
0CW4H16506000	15- 41	AW	FG		C	
0CW4H16512000	3- 16	AF	DS		C	
0CW4H16514000	5- 3	AP	EQ		C	
0CW4H16515000	5- 4	AH	DX		C	
0CW4H16523000	6- 2	BA	FX		C	
0CW4H16524000	5- 6	AV	FG		C	
0CW4H16530000	5- 20	AG	DX		C	
0CW4H16531000	6- 15	AP	EQ		C	
0CW4H16553000	4- 36	AS	EQ		C	
0CW4H16602000	3- 42	AU	EZ		C	
0CW4K11066000	10- 34	BE	GN		B	
0CW4K11067000	10- 11	BA	FX		B	
0CW4K11069000	8- 19	BR	LX		B	
0CW4K11070000	15- 42	BE	GN		B	
0CW4K11078000	5- 19	BB	FX		B	
0CW4K11080000	3- 35	BF	GN		B	
0CW4K14040000	12- 42	BB	GD		B	
0CW4S10280000	15- 45	AD	DS		C	
0CW4S12048000	2- 18	AL	EB		C	
0CW4S12049000	2- 19	AL	EB		C	
0CW4S19048000	13- 43	AC	DJ		C	
0CW4S19049000	8- 23	AD	DJ		C	
0CW4S19076000	15- 21	AC	DJ		C	
0CW4S19077000	3- 26	AC	DJ		C	
〃	4- 2	AC	DJ		C	

PARTS CODE	NO.	PRICE R.		NEW	P/R	
		Ex.	Ja.			
0CW61637/////	17- 16	AA	DJ	N	D	
0CW616371////	18- 8	AA	DJ		D	
〃	25- 9	AA	DJ		D	
0CWCLP00010//	1- 55	AD	DJ	N	C	
0CWE312001475	19- 2	AF	DS		B	
0CWE314000784	23- 15	AP	EQ	N	B	
〃	24- 32	AP	EQ	N	B	
0CWE321000945	19- 3	AT	EZ	N	B	
0CWE323000483	19- 5	AH	DX	N	B	
0CWE323000494	19- 4	AH	DX	N	B	
0CWE450000384	22- 15	AB	DD		C	
〃	24- 53	AB	DD		C	
0CWE450001128	23- 40	AC	DJ		C	
〃	24- 44	AC	DJ		C	
0CWE450001139	24- 35	AC	DJ		C	
0CWE450001148	23- 39	AE	DS	N	C	
0CWE450001297	24- 45	AH	DX	N	C	
0CWE73543M476	19- 6	AD	DJ		C	
0CWE74561WE03	24- 54	AE	DS	N	C	
0CWE74566WE03	19- 7	AD	DJ	N	C	
0CWE74566WE04	19- 8	AD	DJ	N	C	
0CWE75317BK22	24- 38	BB	GD	N	C	
0CWE7709532//	19- 9	AF	DS	N	B	
0CWER040SKP//	21- 13	AB	DD		C	
〃	22- 8	AB	DD		C	
〃	23- 13	AB	DD		C	
0CWER050SKP//	23- 20	AA	DD		C	
〃	24- 29	AA	DD		C	
0CWER060SKN//	2- 66	AA	DJ	N	C	
0CWFB55968000	6- 11	AH	DX		C	
0CWFB55969000	6- 22	AE	DJ		C	
0CWFB56775000	6- 9	AH	DX		C	
0CWFC15034000	15- 19	AC	DJ		C	
0CWFC21175000	14- 35	AC	DJ		C	
0CWFC22120000	10- 3	AC	DJ		C	
〃	11- 8	AC	DJ		C	
〃	12- 44	AC	DJ		C	
〃	13- 44	AC	DJ		C	
〃	1- 39	AC	DJ		C	
〃	14- 44	AC	DJ		C	
〃	2- 28	AC	DJ		C	
〃	3- 4	AC	DJ		C	
〃	4- 3	AC	DJ		C	
〃	5- 7	AC	DJ		C	
〃	7- 7	AC	DJ		C	
〃	8- 13	AC	DJ		C	
〃	9- 2	AC	DJ		C	
0CWFC25031000	8- 17	AC	DJ		C	
0CWFC25034000	10- 12	AB	DJ		C	
〃	3- 36	AB	DJ		C	
〃	7- 8	AB	DJ		C	
0CWFC25035000	16- 20	AC	DJ		C	
0CWFC25827000	10- 29	AE	DJ		C	
〃	11- 9	AE	DJ		C	
〃	12- 46	AE	DJ		C	
〃	13- 46	AE	DJ		C	
〃	14- 46	AE	DJ		C	
〃	2- 6	AE	DJ		C	
〃	3- 28	AE	DJ		C	
〃	4- 5	AE	DJ		C	
〃	7- 9	AE	DJ		C	
〃	9- 6	AE	DJ		C	
0CWFC30661000	1- 36	AC	DJ		C	
〃	15- 18	AC	DJ		C	
0CWFC30779000	1- 41	AC	DJ		C	
〃	15- 33	AC	DJ		C	
0CWFF60507000	6- 7	AV	FG		C	
0CWFF60508000	6- 8	AV	FG		C	
0CWFS19009000	3- 5	AC	DJ		C	
0CWFS19102000	6- 3	AC	DJ		C	
0CWFS21615000	14- 47	AS	EZ		C	
〃	8- 14	AS	EZ		C	
0CWFS21672000	10- 30	AD	DJ		C	
〃	11- 27	AD	DJ		C	
〃	12- 48	AD	DJ		C	
〃	14- 48	AD	DJ		C	
〃	4- 6	AD	DJ		C	
〃	7- 10	AD	DJ		C	
0CWFS26593000	1- 29	AD	DJ		C	
0CWFS56528000	6- 4	AE	DJ		C	
0CWHW030FNS//	21- 16	AC	DJ	N	C	

PARTS CODE	NO.	PRICE R.		NEW	P/R	
		Ex.	Ja.			
0CWHW030FNS//	22- 26	AC	DJ	N	C	
0CWHW050FZS00	13- 82	AB	DJ		C	
0CWHW080FWS//	1- 54	AC	DJ	N	C	
0CWNSBLT00333	23- 25	AS	EQ	N	B	
0CWNSBLT00338	23- 19	AS	EQ	N	B	
0CWNSBLT00339	23- 23	AR	EQ	N	B	
0CWNSBRG00110	22- 7	AU	EZ	N	C	
〃	23- 12	AU	EZ	N	C	
0CWNSBSH00002	21- 11	AH	DX	N	C	
〃	24- 13	AH	DX	N	C	
0CWNSCLP00005	20- 10	AE	DJ	N	C	
〃	22- 24	AE	DJ	N	C	
〃	24- 12	AE	DJ	N	C	
0CWNSCLP00008	20- 8	AE	DJ	N	C	
〃	24- 11	AE	DJ	N	C	
0CWNSSCR00017	22- 12	AD	DJ	N	C	
〃	23- 16	AD	DJ	N	C	
〃	24- 21	AD	DJ	N	C	
0CWNSSCR00087	23- 8	AE	DS	N	C	
0CWNSSCR00225	24- 36	AC	DJ	N	C	
0CWNSSCR00226	22- 2	AE	DJ	N	C	
0CWPW060025//	23- 37	AA	DJ		C	
0CWPW060050//	12- 82	AA	DD		C	
0CWRA22452000	15- 52	AC	DJ		C	
0CWSCR00045//	17- 22	AC	DJ		C	
0CWVT20002018	4- 50	AE	DJ		C	
0CWVT25019030	4- 49	AE	DS		C	
0CWVT25171030	4- 51	AE	DS		C	
0CWWA70484000	5- 51	AN	EG		B	
0CWWG85362000	10- 14	AH	DX		B	
〃	11- 28	AH	DX		B	
〃	12- 54	AH	DX		B	
〃	3- 25	AH	DX		B	
〃	4- 7	AH	DX		B	
〃	5- 16	AH	DX		B	
〃	6- 6	AH	DX		B	
〃	7- 11	AH	DX		B	
〃	9- 16	AH	DX		B	
0CWWG85421000	8- 20	AR	EQ		B	
0CWWT25035000	23- 36	AD	DJ		C	
0CWXB12300605	15-502	AB	DJ		C	
〃	6-501	AB	DJ		C	
0CWXB12300805	6-507	AB	DJ		C	
0CWXB12400605	5-501	AB	DJ		C	
0CWXB12400606	10-504	AB	DJ		C	
0CWXB12400607	15-505	AB	DJ		C	
0CWXB12400805	6-508	AB	DJ		C	
0CWXB12401005	13-501	AB	DJ		C	
0CWXB24300605	5-504	AB	DJ		C	
0CWXB24300805	6-505	AB	DJ		C	
0CWXB47300607	2-503	AB	DJ		C	
0CWXB47300805	5-502	AB	DJ		C	
〃	6-502	AB	DJ		C	
0CWXB47301209	6-504	AB	DJ		C	
0CWXB47401006	2- 81	AB	DJ		C	
0CWXB47401007	10-501	AB	DJ		C	
〃	11-502	AB	DJ		C	
〃	15-503	AB	DJ		C	
〃	2-502	AB	DJ		C	
〃	3-502	AB	DJ		C	
〃	4-501	AB	DJ		C	
0CWXD11104629	5-503	AC	DJ		C	
0CWXD12300142	3-503	AC	DJ		C	
0CWXD21100402	13- 81	AC	DJ		C	
0CWXD21100502	12- 83	AC	DJ		C	
〃	15-501	AC	DJ		C	
〃	16-501	AC	DJ		C	
〃	6-503	AC	DJ		C	
0CWXD21100642	15-504	AC	DJ		C	
〃	16-504	AC	DJ		C	
〃	6-506	AC	DJ		C	
0CWXD32200102	10-503	AC	DJ		C	
〃	11-501	AC	DJ		C	
〃	12-502	AC	DJ		C	
〃	14-502	AC	DJ		C	
0CWXD32200122	10-502	AC	DJ		C	
〃	4-502	AC	DJ		C	
〃	7-501	AC	DJ		C	
〃	8-503	AC	DJ		C	
0CWXD32200142	13-503	AC	DJ		C	
〃	16-508	AC	DJ		C	

PARTS CODE	NO.	PRICE R.		NEW	P/R	
		Ex.	Ja.			
0CWXD32200142	3-501	AC	DJ		C	
〃	7-502	AC	DJ		C	
〃	8-501	AC	DJ		C	
0CWXD32300122	16-506	AC	DJ		C	
0CWXD32300142	14-504	AD	DJ		C	
〃	15-507	AD	DJ		C	
0CWXD32300162	12-505	AC	DJ		C	
0CWXD32300182	14-506	AC	DJ		C	
〃	8-502	AC	DJ		C	
0CWXF21309000	16- 16	AS	EZ		B	
〃	16- 42	AS	EZ		B	
0CWXF21604940	11- 29	AL	EB		B	
0CWXF21605040	3- 46	AL	EB		B	
0CWXF21606140	10- 4	AL	EB		B	
0CWXF21607240	14- 49	AN	EG		B	
0CWXF21607440	4- 18	AK	DX		B	
0CWXF21607640	11- 30	AN	EG		B	
0CWXF21608040	7- 12	AN	EG		B	
0CWXF21618840	3- 40	AP	EQ		B	
0CWXF21619860	3- 39	AQ	EQ		B	
0CWXF21804070	15- 49	AQ	EQ		B	
0CWXF21807000	8- 15	AP	EQ		B	
0CWXF21817960	3- 38	AS	EZ		B	

Memo

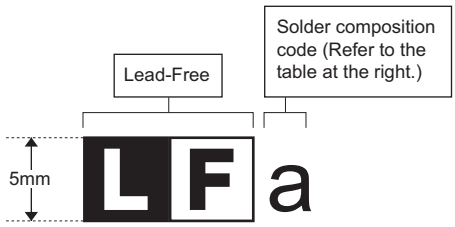
Memo

Memo

LEAD-FREE SOLDER

The PWB's of this model employs lead-free solder. The "LF" marks indicated on the PWB's and the Service Manual mean "Lead-Free" solder.
The alphabet following the LF mark shows the kind of lead-free solder.

Example:



<Solder composition code of lead-free solder>

Solder composition	Solder composition code
Sn-Ag-Cu	a
Sn-Ag-Bi Sn-Ag-Bi-Cu	b
Sn-Zn-Bi	z
Sn-In-Ag-Bi	i
Sn-Cu-Ni	n
Sn-Ag-Sb	s
Bi-Sn-Ag-P Bi-Sn-Ag	p

(1) NOTE FOR THE USE OF LEAD-FREE SOLDER THREAD

When repairing a lead-free solder PWB, use lead-free solder thread.

Never use conventional lead solder thread, which may cause a breakdown or an accident.

Since the melting point of lead-free solder thread is about 40°C higher than that of conventional lead solder thread, the use of the exclusive-use soldering iron is recommendable.

(2) NOTE FOR SOLDERING WORK

Since the melting point of lead-free solder is about 220°C, which is about 40°C higher than that of conventional lead solder, and its soldering capacity is inferior to conventional one, it is apt to keep the soldering iron in contact with the PWB for longer time. This may cause land separation or may exceed the heat-resistive temperature of components. Use enough care to separate the soldering iron from the PWB when completion of soldering is confirmed.

Since lead-free solder includes a greater quantity of tin, the iron tip may corrode easily. Turn ON/OFF the soldering iron power frequently.

If different-kind solder remains on the soldering iron tip, it is melted together with lead-free solder. To avoid this, clean the soldering iron tip after completion of soldering work.

If the soldering iron tip is discolored black during soldering work, clean and file the tip with steel wool or a fine filer.

CAUTION FOR BATTERY REPLACEMENT

(Danish) ADVARSEL !
Lithiumbatteri – Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri
af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandoren.

(English) Caution !
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type
recommended by the manufacturer.
Dispose of used batteries according to manufacturer's instructions.

(Finnish) VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan
tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden
mukaisesti.

(French) ATTENTION
Il y a danger d'explosion s' il y a remplacement incorrect
de la batterie. Remplacer uniquement avec une batterie du
même type ou d'un type équivalent recommandé par
le constructeur.
Mettre au rebut les batteries usagées conformément aux
instructions du fabricant.

(Swedish) VARNING
Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent
typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens
instruktion.

(German) Achtung
Explosionsgefahr bei Verwendung inkorrekter Batterien.
Als Ersatzbatterien dürfen nur Batterien vom gleichen Typ oder
vom Hersteller empfohlene Batterien verwendet werden.
Entsorgung der gebrauchten Batterien nur nach den vom
Hersteller angegebenen Anweisungen.

CAUTION FOR BATTERY DISPOSAL

(For USA, CANADA)
"BATTERY DISPOSAL"
THIS PRODUCT CONTAINS A LITHIUM PRIMARY (MANGANESS DIOXIDE) MEMORY BACK-UP BATTERY THAT MUST BE DISPOSED OF PROPERLY. REMOVE THE BATTERY FROM THE PRODUCT AND CONTACT YOUR LOCAL ENVIRONMENTAL AGENCIES FOR INFORMATION ON RECYCLING AND DISPOSAL OPTIONS.

"TRAITEMENT DES PILES USAGÉES"
CE PRODUIT CONTIENT UNE PILE DE SAUVEGARDE DE MÉMOIRE LITHIUM PRIMAIRE (DIOXYDE DE MANGANÈSE) QUI DOIT ÊTRE TRAITÉE CORRECTEMENT. ENLEVEZ LA PILE DU PRODUIT ET PRENEZ CONTACT AVEC VOTRE AGENCE ENVIRONNEMENTALE LOCALE POUR DES INFORMATIONS SUR LES MÉTHODES DE RECYCLAGE ET DE TRAITEMENT.

SHARP

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